

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS ☒ X \_\_\_\_\_ WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB. REPORT/abd. \_\_\_\_\_

DATE FILED FEBRUARY 15, 1996

LAND: FEE &amp; PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. U-62848

INDIAN

DRILLING APPROVED: FEBRUARY 20, 1996

SPUDED IN: 10/27/96

COMPLETED: 12.3.96 POW PUT TO PRODUCING:

INITIAL PRODUCTION: 106 BbL 132 Mcf 6 BbL

GRAVITY A.P.I.

GOR: 1.2

PRODUCING ZONES: 5072-5868' MRRV

TOTAL DEPTH: 6200'

WELL ELEVATION: 5617' MRR

DATE ABANDONED:

FIELD: MONUMENT BUTTE

UNIT:

COUNTY: DUCHESNE

WELL NO. MONUMENT BUTTE FEDERAL 13-27

API NO. 43-013-31611

LOCATION 619 FSL FT. FROM (N) (S) LINE. 685 FWL

FT. FROM (E) (W) LINE. SW SW

1/4 - 1/4 SEC. 27

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
8S	16E	27	INLAND PRODUCTION CO				

## GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
Garden gulch	Dakota	Park City	McCracken
Point 3	Burro Canyon	Rico (Goodridge)	Aneth
x MKR	Cedar Mountain	Supai	Simonson Dolomite
y MKR	Buckhorn	Wolfcamp	Sevy Dolomite
Donaia's Crk	JURASSIC	CARBON I FEROUS	North Point
Washburn	Morrison	Pennsylvanian	SILURIAN
State Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Altam	San Rafael Gr.	Weber	ORDOVICIAN
Fingert	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		



February 14, 1996

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City UT 84180-1203

ATTENTION: Mike Hebertson

RE: Monument Butte Federal #13-27  
SW/SW Sec. 27, T8S, R16E  
Duchesne County, Utah

Dear Mike,

Enclosed is a replacement copy of the Application For Permit To Drill, for the above referenced location, that was originally mailed out on 1/2/96.

Please do not hesitate to call me if additional information is needed, at (801) 722-5103.

Sincerely,

Cheryl Cameron  
Regulatory Compliance Specialist

/cc  
Enclosures

FEB 15 1996

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FEB 15 1996

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

P.O. Box 1446 Roosevelt, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

SW/SW 619' FSL & 685' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

9.3 miles southwest of Myton, UT

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

619'

16. NO. OF ACRES IN LEASE

360

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

2612'

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5617' GR

22. APPROX. DATE WORK WILL START\*

1st Quarter 1996

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G+2% CaCl + 2% Gel
7 7/8	5 1/2	15.5#	TD	400 sx Hilift followed by
				330 sx Class G w/ 10% CaCl

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Brad Mecham

TITLE Operations Manager

DATE 12/22/95

(This space for Federal or State office use)

PERMIT NO. 43-013-31611

APPROVAL DATE

APPROVED BY [Signature]

TITLE Petroleum Engineer

DATE 2/20/96

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

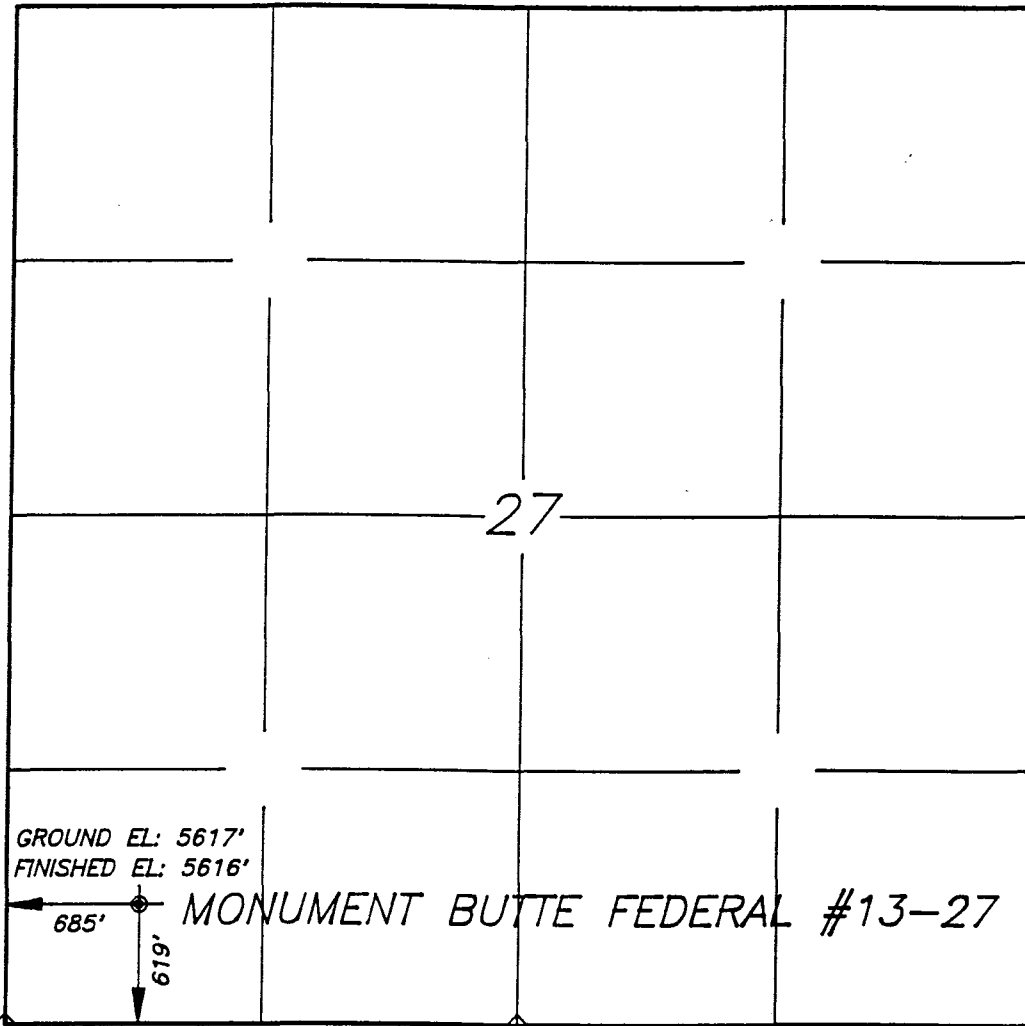
INLAND PRODUCTION CO.

WELL LOCATION PLAT

MONUMENT BUTTE FEDERAL #13-27

LOCATED IN THE SW1/4 OF THE SW1/4  
SECTION 27, T8S, R16E, S.L.B.&M.

N 0°02' W 80.00 CHS. (G.L.O.)



GROUND EL: 5617'  
FINISHED EL: 5616'

685'

619'

MONUMENT BUTTE FEDERAL #13-27

N 89°53' W 2651.30'

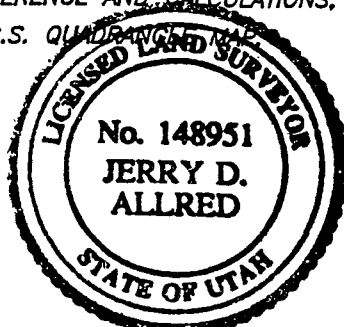


SCALE: 1" = 1000'

### LEGEND AND NOTES

- ◇ ORIGINAL CORNER MONUMENTS FOUND AND USED BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS, AS WAS THE U.S.G.S. QUADRANGLE MAP.



18 DECEMBER 1995

84-121-046

### SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY PERFORMED BY ME, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR ESTABLISHED.

*Jerry D. Allred*  
JERRY D. ALLRED, REGISTERED LAND SURVEYOR,  
CERTIFICATE NO. 148951 (UTAH)



JERRY D. ALLRED & ASSOCIATES  
SURVEYING CONSULTANTS

121 NORTH CENTER STREET  
P.O. BOX 975  
DUCHESE, UTAH 84021  
(801)-738-5352

JOHNSON WATER DISTRICT  
R.R. 3 BOX 3188  
ROOSEVELT, UT 84066  
TELEPHONE (801) 722-2620

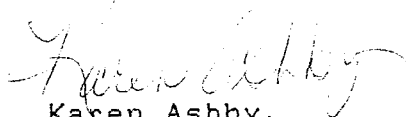
December 18, 1995

TO WHOM IT MAY CONCERN:

Inland Production Company has purchased a 3 inch water connection with Johnson Water District to supply Monument Butte oilfield.

Johnson Water District has given permission to Inland Production Company to use water from our system for the purpose of drilling and completing the Monument Butte Federal 13-27.

Sincerely,

  
Karen Ashby,  
Secretary

**MONUMENT BUTTE FEDERAL #13-27  
SW/SWSEC. 27, T8S, R16E  
DUCHESNE COUNTY, UTAH  
U-62848**

**HAZARDOUS MATERIAL DECLARATION**

INLAND PRODUCTION COMPANY guarantees that during the drilling & completion of the above referenced well, we will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986.

INLAND PRODUCTION COMPANY guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

**INLAND PRODUCTION COMPANY  
MONUMENT BUTTE FEDERAL #13-27  
SW/SW SECTION 27, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**TEN POINT WELL PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' - 3030'
Green River	3030'
Wasatch	6500'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 3030' - 6400' - Oil

**4. PROPOSED CASING PROGRAM**

8 5/8", J-55, 24# w/ ST&C collars; set at 300' (New)  
5 1/2", J-55, 15.5# w/ LT&C collars; set at TD (New)

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operators minimum specifications for pressure control equipment are as follows:

A 8" Series 900 Hydril Bag type BOP and a 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be checked daily.

(See Exhibit F)

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

It is proposed that the hole be drilled with fresh water to the Green River Formation @ approximately 3030', and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.

**7. AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TTW valve with drill pipe threads.



8. **TESTING, LOGGING AND CORING PROGRAMS:**

No drill stem testing has been scheduled for this well. It is anticipated at this time that the logging will consist of a Dual Induction Laterolog and a Compensated Neutron-Formation Density Log. Logs will run from TD to 3500'. The cement log will be run from PBTD to cement top. The use of mud loggers to be determined at a later date.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the 1st quarter of 1996, and take approximately eight days to drill.

**INLAND PRODUCTION COMPANY  
MONUMENT BUTTE FEDERAL #13-27  
SW/SW SECTION 27, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Monument Butte Federal #13-27 located in the SW 1/4 SW 1/4 Section 27, T8S, R16E, S.L.B. & M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 6.3 miles to its junction with an existing road to the southwest; proceed southwesterly along this road 3.0 miles to its junction with the proposed access road to be discussed in item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County Crews.

The aforementioned dirt oilfield service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads required for access during the drilling, completion and production phase will be maintained at the standards required by the BLM or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the NE 1/4 NW 1/4 Section 34, T8S, R16E, S.L.B. & M., and proceeds in a northeasterly direction approximately 1800'  $\pm$  to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with

drainage ditches along either side of the proposed road whether it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

There are eleven (11) producing , and three (3) injection, Inland Production wells, four (4) producing , and one (1) injection, Ensearch well, within a one mile radius of the proposed location. See Exhibit "D".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery.

Tank batteries will be placed on a per Sundry Notice if the well is completed as a producer.

All permanent (on site for six (6) months or longer) structures constructed or installed (including pumping units) will be painted Desert Tan. All facilities will be painted within six months of installation.

5. LOCATION AND TYPE OF WATER SUPPLY

At the present time, it is anticipated that the water for this well will be transported through a temporary surface pipeline from our pre-approved Inland Production Company fresh water supply line located at the Travis Federal 15-28 (SW/SE Sec. 28, T8S, R16E) location as indicated on Topographic Map - Exhibit "C".

In the event this water source is not used an alternate source will be used and all the necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this site.

6. SOURCE OF CONSTRUCTION MATERIALS

See Location Layout Sheet - Exhibit "E".

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road. (Pit lining material is referred to in Item #7.)

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet - Exhibit "E".

If the reserve pit is lined, it will be constructed and lined with a plastic nylon reinforced line so as not to leak, break, or allow discharge. It will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The line will overlap the pit wall and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed on in the pit.

After first production, produced water will be confined to a pit or storage tank for a period not to exceed one hundred twenty (120) days. During the one hundred twenty (120) day period, in accordance with the NTL-2B, an application for approval of permanent disposal method and location, along with required water analysis, shall be submitted for the Authorized Officers approval.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SIT LAYOUT

See attached Location Layout Sheet - Exhibit "E".

The reserve pit will be located on the southeast, between stakes 4 & 5.

There will be no flare pit on this well.

The stockpiled topsoil (first six (6) inches) will be stored on the north side, between stakes 1 & 8.

Access to the well pad will be from the west corner, between stakes 7 & 8.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) 39 inch net wire shall be used with at least one strand of barbed wire on top of the net.

- b) The net wire shall be not more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. PLANS FOR RESTORATION OF SURFACE

a) *Producing Location*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before back filling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be re contoured to the approximated natural contours. The reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons, all cans, barrels, pipe, etc., removed.

When the drilling and completion phase ends, reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The seed mixture will be per B.L.M. and stated in the conditions of approval.

b) *Dry Hole Abandoned Location*

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the B.L.M. will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials, and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On B.L.M. administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without B.L.M. authorization. However, if B.L.M. authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

A copy of the Cultural Resources Survey will be submitted, as soon as it becomes available.

*Additional Surface Stipulations*

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations. Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. Inland Exploration is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the B.L.M. office at (801) 789-1362, 48 hours prior to construction activities.

The B.L.M. office shall be notified upon site completion prior to moving on the drilling rig.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Brad Mecham  
Address: P.O. Box 1446 Roosevelt, Utah 84066  
Telephone: (801) 722-5103

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #13-27 SW/SW Section 27, Township 8S, Range 16E: Lease #U-62848 ; Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

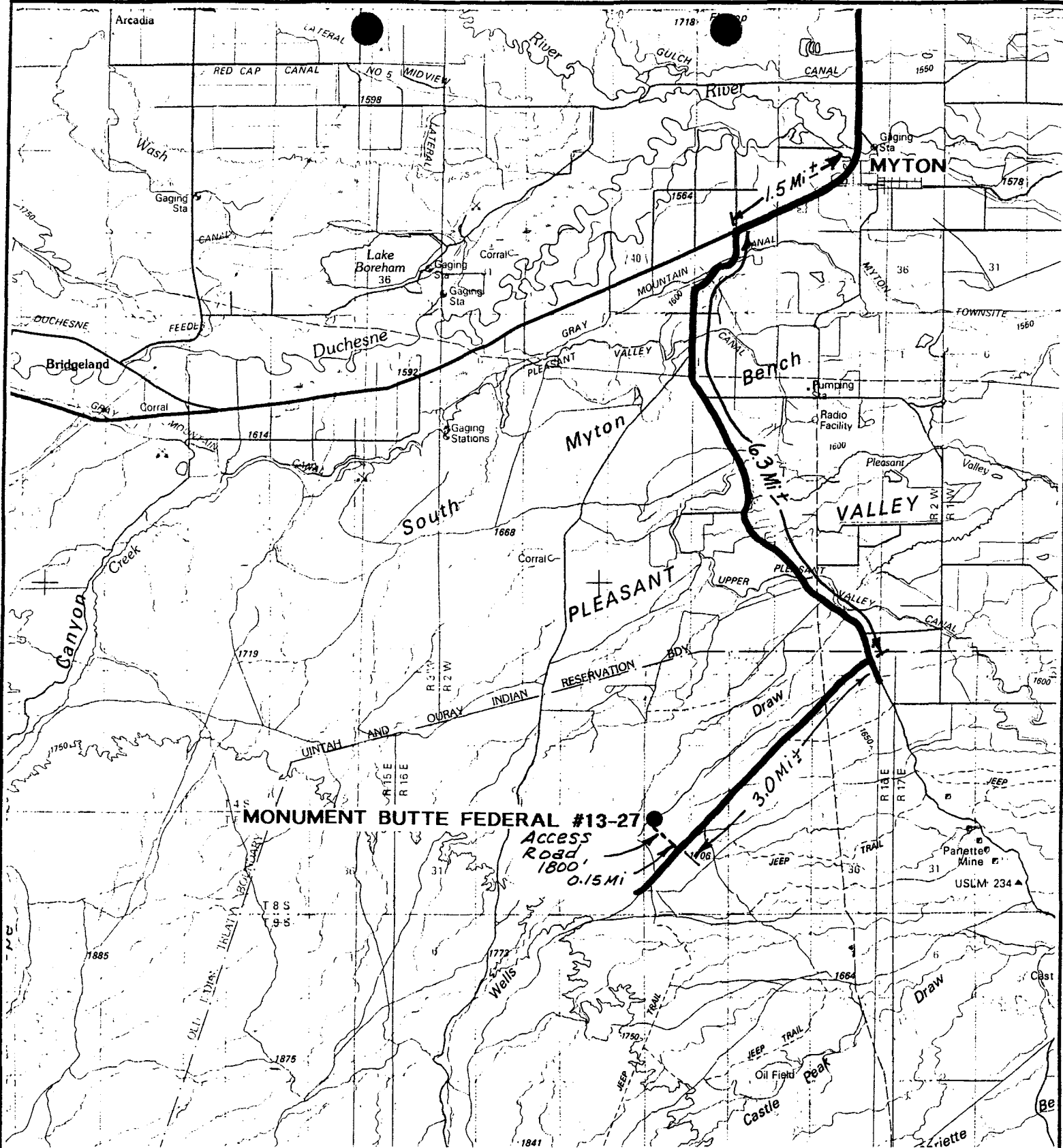
I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

12-28-95

Date

Brad Mecham

Brad Mecham  
Operations Manager



TOPOGRAPHIC  
MAP "A"



**INLAND PRODUCTION COMPANY**

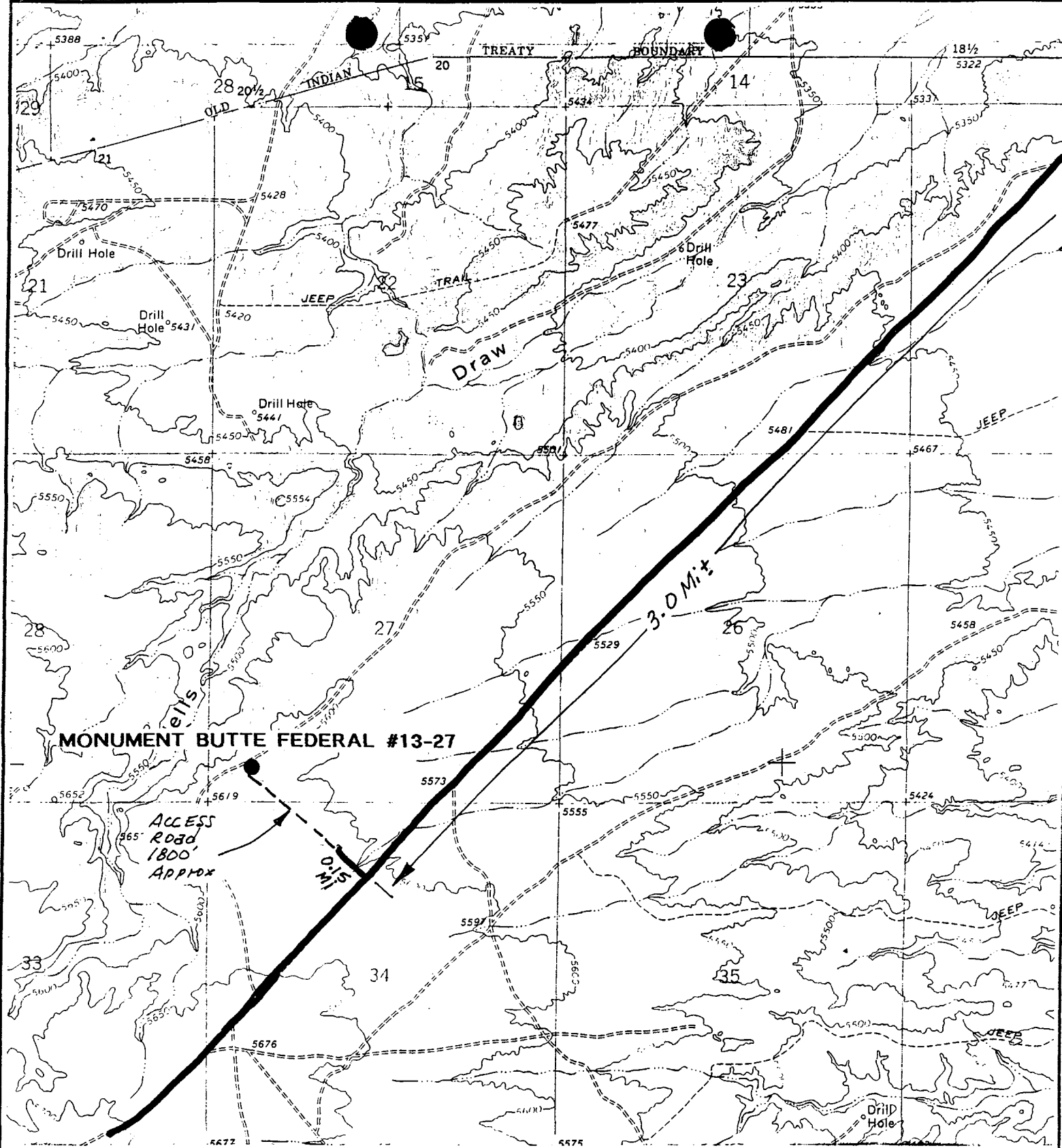
**MONUMENT BUTTE FEDERAL #13-27**

**SECTION 27, T8S, R16E, S.L.B.&M.**

18 Dec '95

84-121-046





TOPOGRAPHIC  
MAP "B"  
SCALE: 1"=2000'

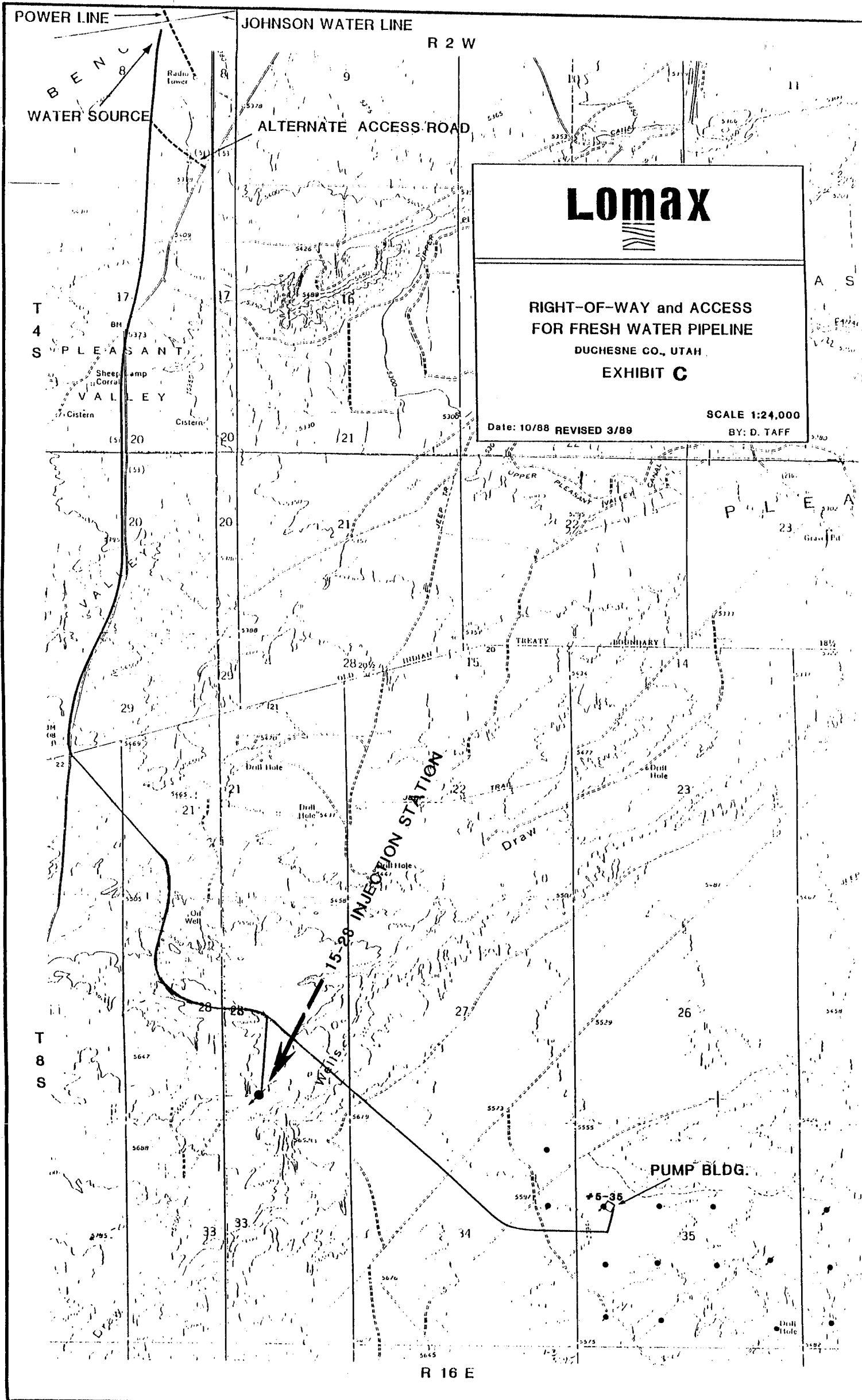


**INLAND PRODUCTION COMPANY**

**MONUMENT BUTTE FEDERAL #13-27  
SECTION 27, T8S, R16E, S.L.B.&M.**

18 Dec '95

84-121-046



**Lomax**

**RIGHT-OF-WAY and ACCESS  
FOR FRESH WATER PIPELINE  
DUCHESNE CO., UTAH  
EXHIBIT C**

Date: 10/88 REVISED 3/89  
BY: D. TAFF

SCALE 1:24,000

ALTERNATE ACCESS ROAD

WATER SOURCE

JOHNSON WATER LINE

R 2 W

T 4 S  
PLEASANT VALLEY

P 4 L E A

T 8 S

T 8 S

R 16 E

INJECTION STATION

PUMP BLDG.

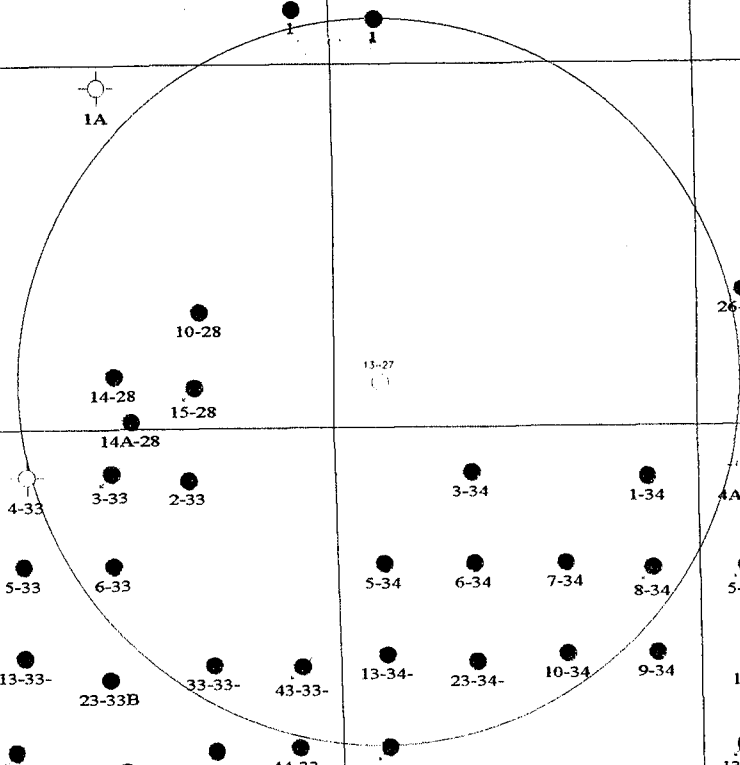
#6-35

# EXHIBIT "D"



boundary

Old Indian Treaty Boundary



475 17<sup>th</sup> Street Suite 1500  
Denver, Colorado 80202  
Phone: (303)-292-0900

**Monument Butte Fed. #13-27**

One Mile Radius

Duchesne County, Utah

Date: 12-7-95

D.G.

1

2

1

1

1A

10-28

14-28

15-28

14A-28

4-33

3-33

2-33

3-34

1-34

4A-35

2A-35

3-36

32-32

33-32

13-33

23-33B

33-33

43-33

13-34

23-34

10-34

9-34

12-35

4-35

10-35

2-35

12-36

1-36

1

14-33

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14-35

15-35

1-35

13-36

14-36

26-13

12-25

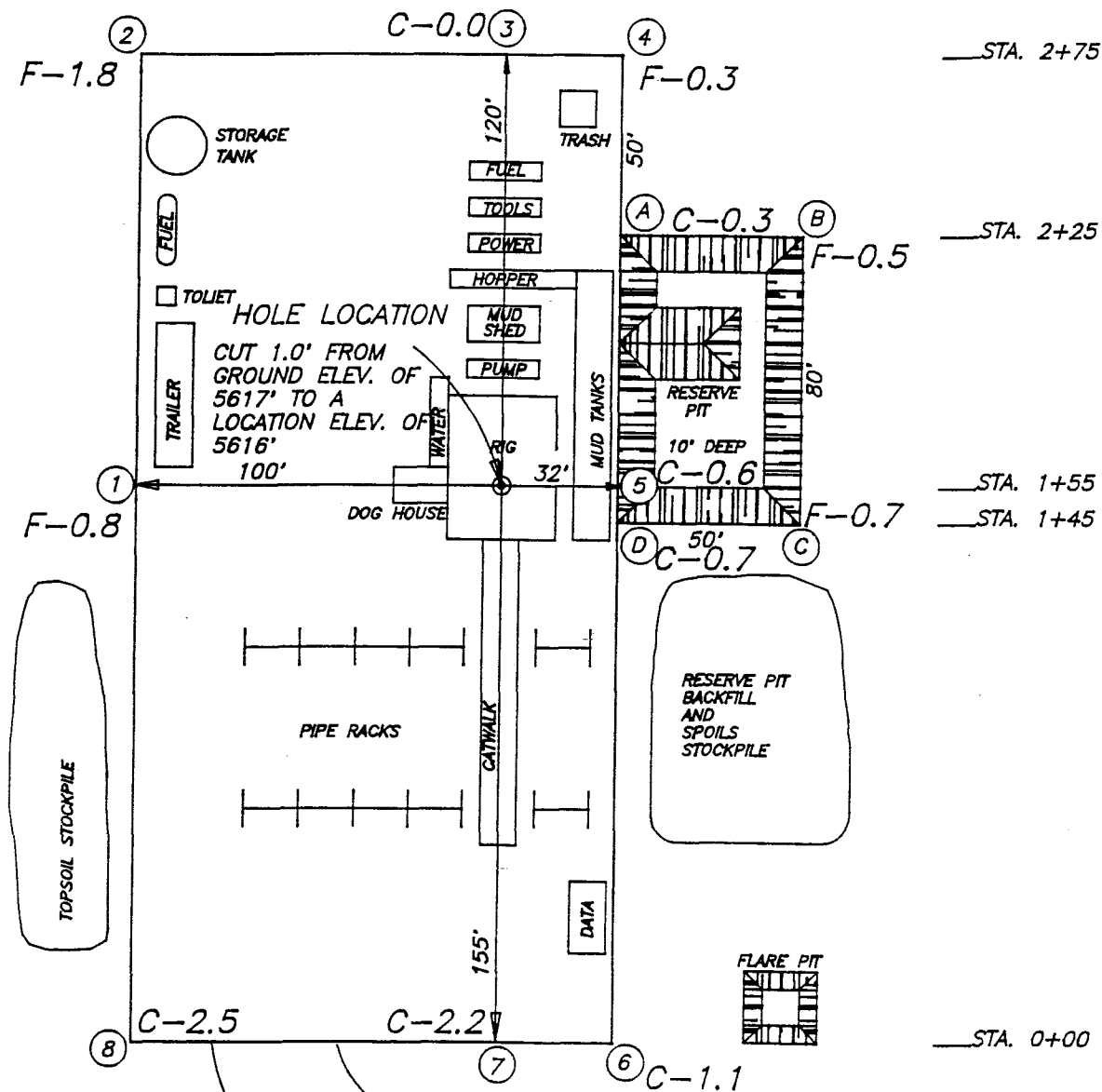
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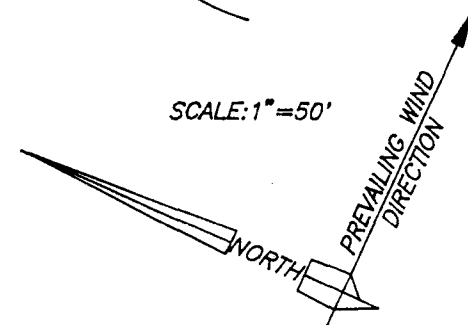
13-25

14-25

# INLAND PRODUCTION CO. WELL LAYOUT PLAT MONUMENT BUTTE FEDERAL #13-27



SCALE: 1"=50'

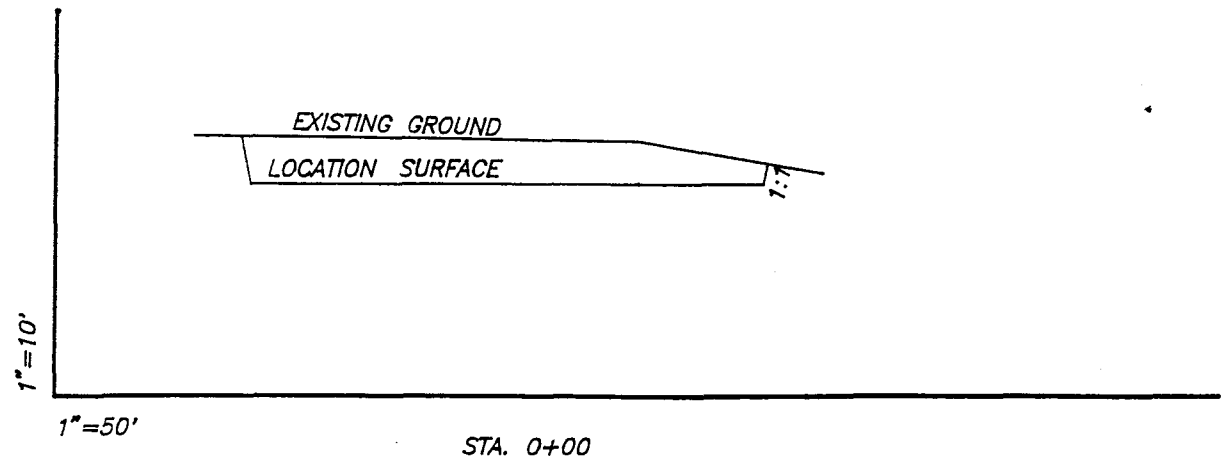
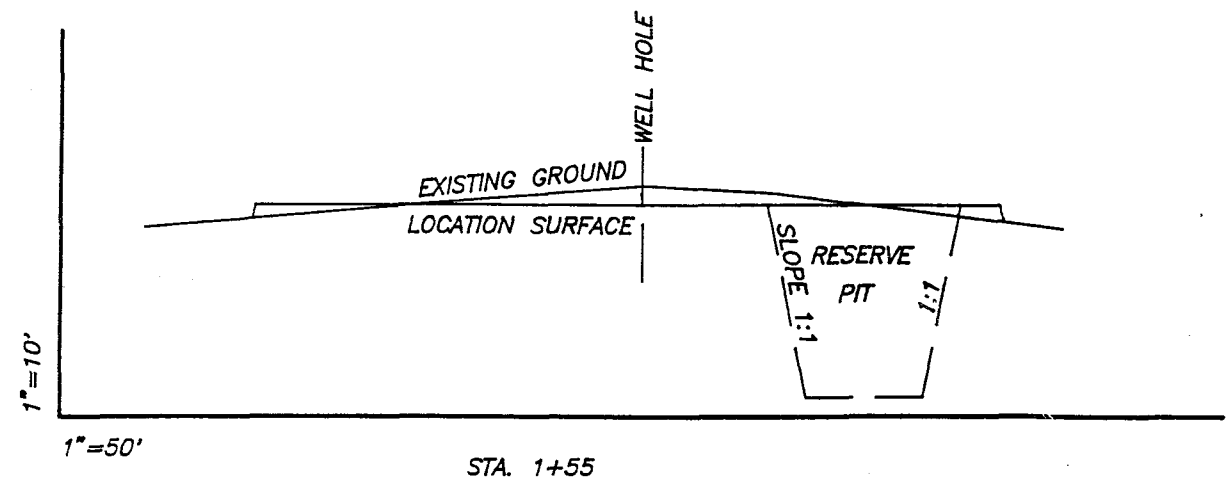
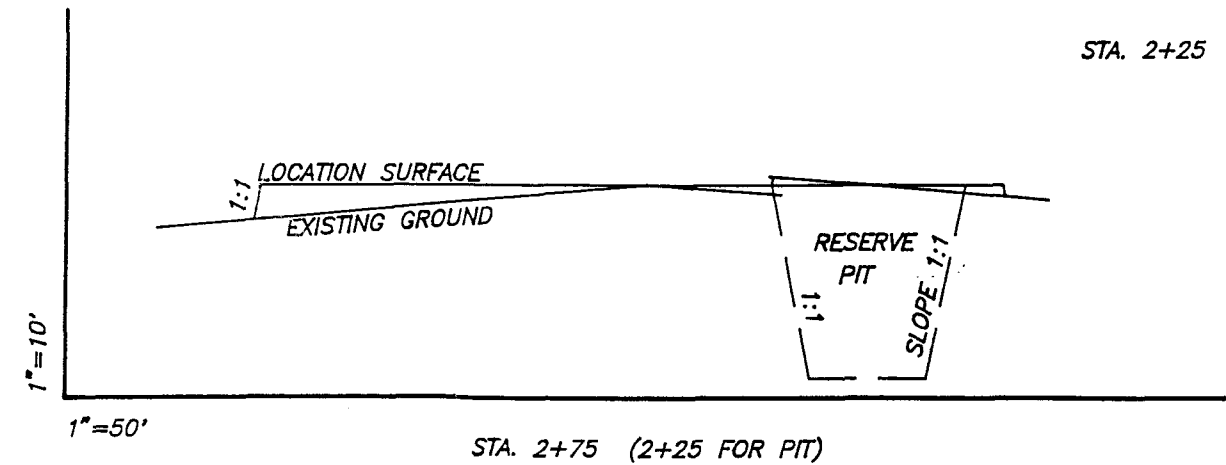


## APPROXIMATE QUANTITIES

CUT: 2100 CU. YDS. (INCLUDES PIT)  
FILL: 450 CU. YDS.

LOCATED IN THE SW1/4 OF THE SW1/4 OF SECTION 27,  
TOWNSHIP 8 SOUTH, RANGE 16 EAST, S.L.B.&M.

STA. 2+25



	JERRY D. ALLRED AND ASSOCIATES Surveying and Engineering Consultants
	121 NORTH CENTER STREET P.O. BOX 975 DUCHESNE, UTAH 84021 (801) 738-5352

# 2-M SYSTEM

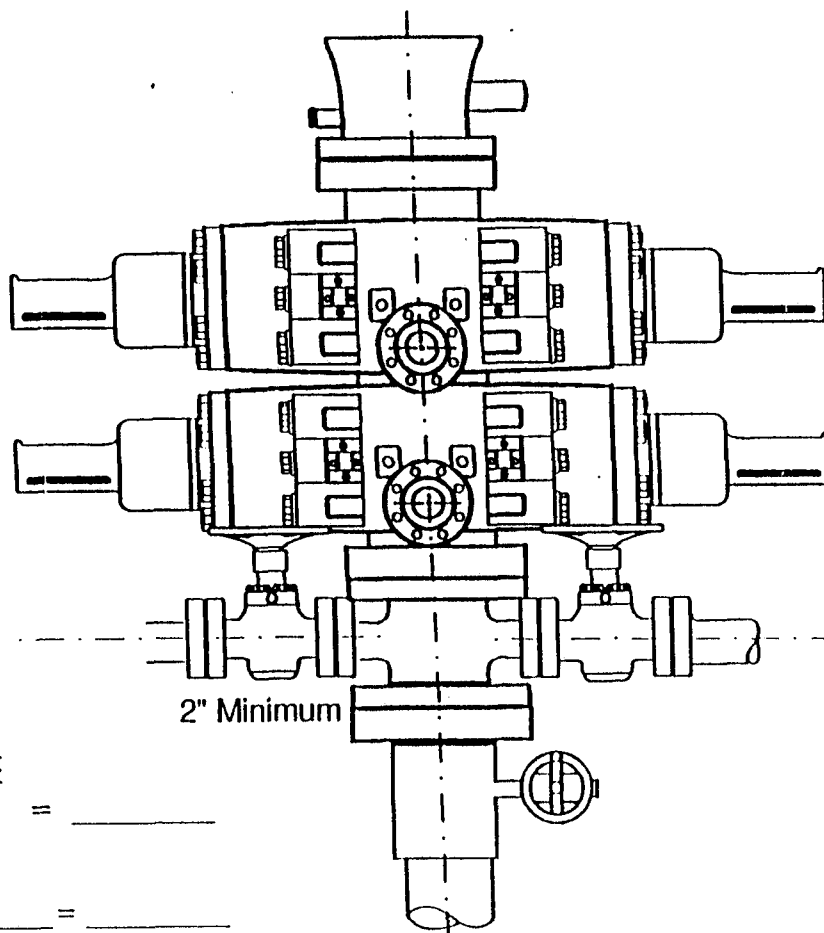
EXHIBIT F

RAM TYPE B.O.P.

Make:

Size:

Model:



GAL TO CLOSE

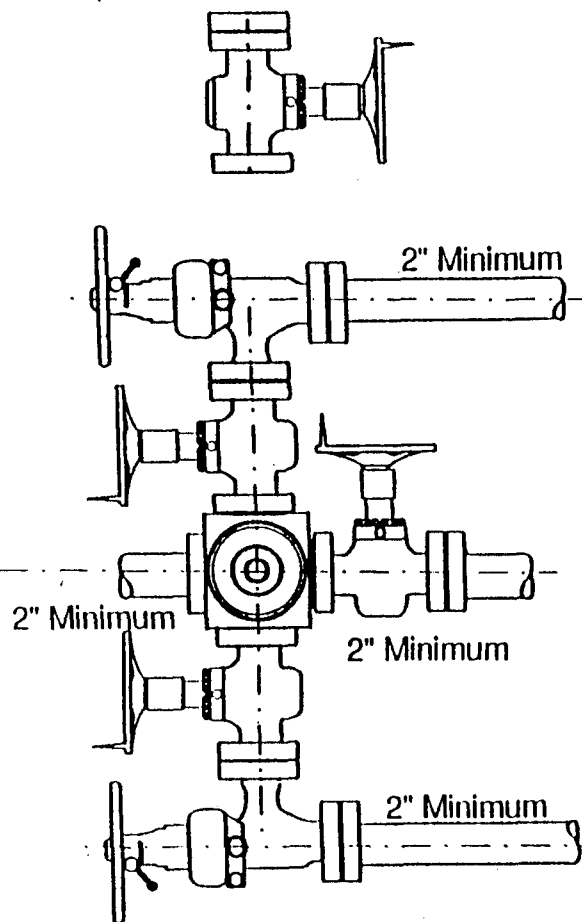
Annular BOP = \_\_\_\_\_

Ramtype BOP

\_\_\_\_ Rams x \_\_\_\_\_ = \_\_\_\_\_

= \_\_\_\_\_ Gal.

\_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.



Rounding off to the next higher

increment of 10 gal. would require

\_\_\_\_\_ Gal. (total fluid &amp; nitro volume)

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/15/96

API NO. ASSIGNED: 43-013-31611

WELL NAME: MONUMENT BUTTE FEDERAL 13-27  
OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:

SWSW 27 - T08S - R16E  
SURFACE: 0619-FSL-0685-FWL  
BOTTOM: 0619-FSL-0685-FWL  
DUCHESNE COUNTY  
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED  
LEASE NUMBER: U - 62848

PROPOSED PRODUCING FORMATION: GRRP<sup>✓</sup>

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

\_\_\_ Plat  
\_\_\_ Bond: Federal[] State[] Fee[]  
   (Number \_\_\_\_\_)  
\_\_\_ Potash (Y/N)  
\_\_\_ Oil shale (Y/N)  
\_\_\_ Water permit  
   (Number \_\_\_\_\_)  
\_\_\_ RDCC Review (Y/N)  
   (Date: \_\_\_\_\_)

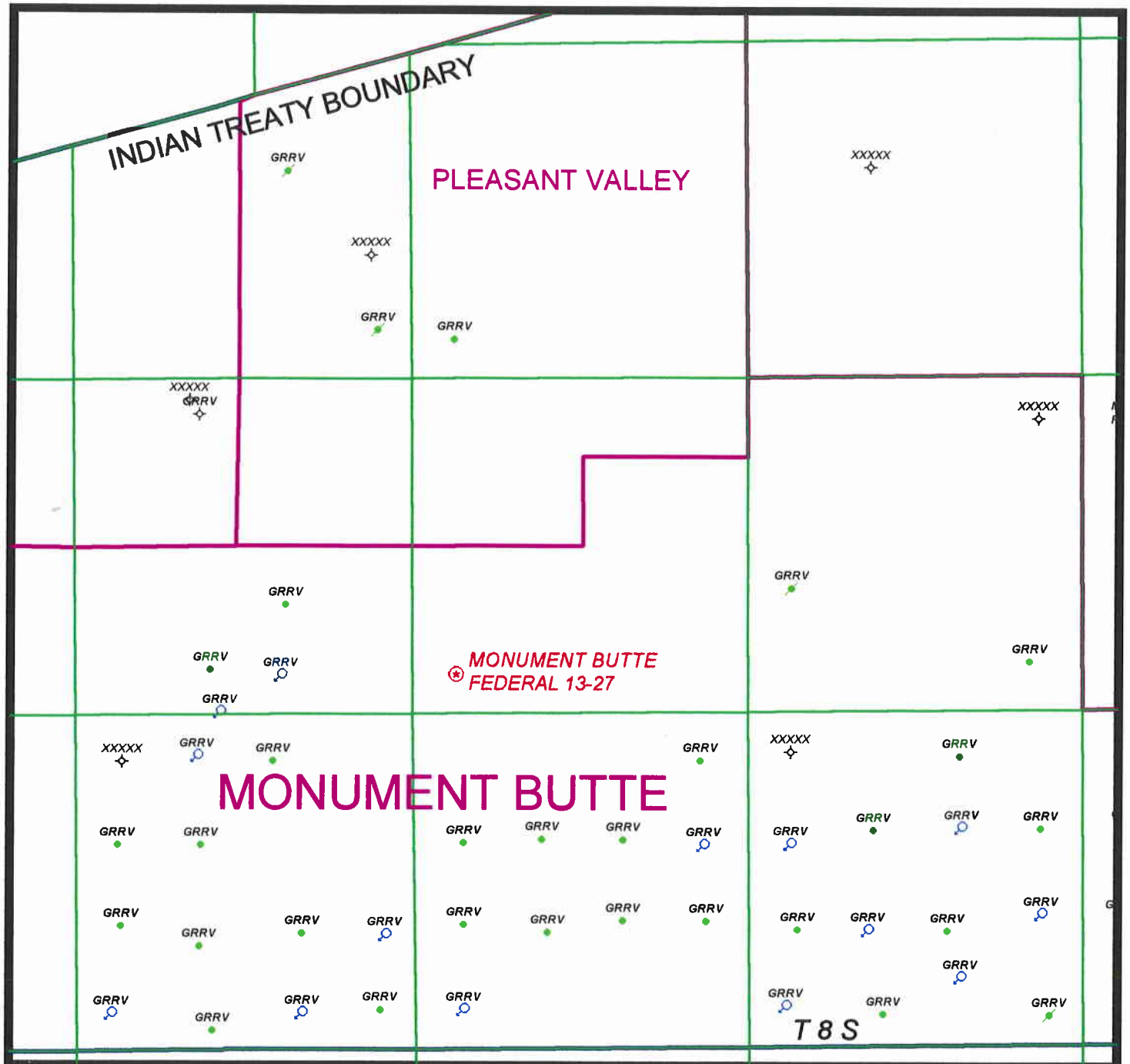
LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
☒ R649-3-2. General.  
\_\_\_ R649-3-3. Exception.  
\_\_\_ Drilling Unit.  
   Board Cause no: \_\_\_\_\_  
   Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STIPULATIONS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# INLAND PRODUCTION COMPANY WATERFLOOD DEVELOPMENT SEC. 27, T8S, R16E, DUCHESNE, COUNTY R649-3-2



**STATE SPACING  
UAC R649-3-2**

**PREPARED:  
DATE: 20-FEB-96**

**STATE OF UTAH, DIV OF OIL, GAS & MINERALS**

<b>Operator: INLAND PRODUCTION CO</b>	<b>Well Name: MONUMENT BUTTE FED 13-27</b>
<b>Project ID: 43-013-31611</b>	<b>Location: SEC. 27 - T08S - R16E</b>

**Design Parameters:**

Mud weight (10.00 ppg) : 0.519 psi/ft  
 Shut in surface pressure : 2853 psi  
 Internal gradient (burst) : 0.081 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

**Design Factors:**

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	6,500	5.500	15.50	J-55	LT&C	6,500	4.825		
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Yield Strgth S.F. (psi)	Tension Load Strgth S.F. (kips) (kips)			
1	3377	4040	1.196	3377	4810	1.42	100.75	217	2.15 J

Prepared by : MATTHEWS, Salt Lake City, Utah  
 Date : 02-20-1996  
 Remarks :

Minimum segment length for the 6,500 foot well is 1,500 feet.  
 SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas temperature of 119°F (Surface 74°F, BHT 165°F & temp. gradient 1.400°/100 ft.)  
 String type: Production  
 The mud gradient and bottom hole pressures (for burst) are 0.519 psi/ft and 3,377 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

P.O. Box 1446 Roosevelt, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

SW/SW 619' FSL & 685' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

9.3 miles southwest of Myton, UT

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

619'

16. NO. OF ACRES IN LEASE

360

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

2612'

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5617' GR

22. APPROX. DATE WORK WILL START\*

1st Quarter 1996

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G+2% CaCl + 2% Gel
7 7/8	5 1/2	15.5#	TD	400 sx Hilift followed by
				330 sx Class G w/ 10% CaCl

RECEIVED

JAN 08 1996

CONDITIONS OF APPROVAL ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Brad Mechem

TITLE Operations Manager

DATE 12/22/95

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

ASSISTANT DISTRICT  
MANAGER MINERALS

DATE FEB 20 1996

APPROVED BY [Signature]  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

NOTICE OF INTENT  
217080-6m-048

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Monument Butte Fed. 13-27

API Number: 43-013-31611

Lease Number: U-62848

Location: SWSW Sec. 27 T. 8S R. 16E

**NOTIFICATION REQUIREMENTS**

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative by the operator to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

#### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

#### 3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at  $\pm 432$  ft. or by setting the surface casing at  $\pm 482$  ft. and have a cement top for the production casing at least 200 ft. above the Mahogany Oil Shale, identified at  $\pm 3014$  ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

The Gamma Ray and Induction Logs need to be pulled from TD to the Surface Shoe.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 2814$  ft. if the surface casing is set at  $\pm 482$  ft. or it will be run to  $\pm 232$  ft. if the surface casing is set at  $\pm 300$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne Bankert      (801) 789-4170  
Petroleum Engineer

Ed Forsman      (801) 789-7077  
Petroleum Engineer

Jerry Kenczka      (801) 789-1190  
Petroleum Engineer

BLM FAX Machine      (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.



**SURFACE USE PLAN OF OPERATION**  
Conditions of Approval (COAs)

Planned Access Road

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

All vehicle travel will be confined to existing access road rights-of-way.

Methods for Handling Waste Disposal

It is not anticipated that a liner will be required in the reserve pit, however, Byron Tolman with the BLM will be notified when the pit has been complete so an inspection can be made. If porous soils or fractured rock is encountered a liner may be required.

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with Onshore Order No. 7 an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

Additional Conditions of Approval

Topsoil should be windrowed on the east side and around the southwest corner of the location instead of being piled as shown on the cut sheet.

No surface disturbing activities, construction, or drilling operations, including the initial completion activities, are to occur on the well, access road, or location from March 15 through August 15. This restriction is to protect Mountain Plovers and Burrowing Owls located in the surrounding area. The restriction does not apply to maintenance and operation of existing wells and facilities. Waivers, exceptions, or modifications to this Condition of Approval may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

February 20, 1996

Inland Production Company  
P.O. Box 1446  
Roosevelt, Utah 84066

Re: Monument Butte Federal #13-27 Well, 619' FSL, 685' FWL, SW SW, Sec. 27,  
T. 8 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31611.

Sincerely,

R. J. Firth  
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office  
WAPD

Operator: Inland Production Company  
Well Name & Number: Monument Butte Federal #13-27  
API Number: 43-013-31611  
Lease: U-62848  
Location: SW SW Sec. 27 T. 8 S. R. 16 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION CO.

Well Name: MONUMENT BUTTE FEDERAL 13-27

Api No. 43-013-31611

Section 27 Township 8S Range 16E County DUCHESNE

Drilling Contractor CAZA

Rig #: 59

SPUDDED:

Date: 10/27/96

Time:           

How: DRY HOLE

Drilling will commence:                                   

Reported by: D. INGRAM-DOGM

Telephone #:                                   

Date: 10/28/96 Signed: JLT

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budgeted Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☒ Oil Well    ☐ Gas well    ☐ Other

2. Name of Operator  
**Inland Production Company**

3. Address and Telephone No.  
**P.O. Box 790233 Vernal, UT 84079    Phone No. (801) 789-1866**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SW/SW Sec. 27, T8S, R16E  
 619' FSL & 685' FWL**

5. Lease Designation and Serial No.

**U-62848**

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

**Monument Butte**

8. Well Name and No.

**Mon. Butte Fed 13-27**

9. API Well No.

**43-013-31611**

10. Field and Pool, or Exploratory Area

**Monument Butte**

11. County or Parish, State

**Duchesne, UT****12 CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****TYPE OF SUBMISSION**

- ☐ Notice of Intent
- ☒ Subsequent Report
- ☐ Final Abandonment Notice

**TYPE OF ACTION**

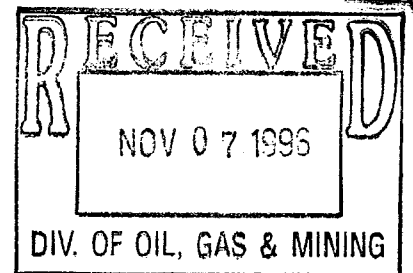
- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing repair
- ☐ Altering Casing
- ☒ Other **Spud Notification**

- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-off
- ☐ Conversion to Injection
- ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**Drilled 12 1/4" hole to 150' w/ Leon Ross Rathole Rig. Finished drlg to 303'.  
 Set 288.49' of 8 5/8" 24# J-55 csg. Cmt w/ 120 sx prem + w/ 2% CC & 2% gel w/ 1/4#/sk flocele.**

**SPUD 10/26/96**

14. I hereby certify that the foregoing is true and correct

Signed

**Cheryl Cameron**

Title

**Regulatory Compliance Specialist**

Date

**10/31/96**

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF NEBRASKA  
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR Inland Production Company

OPERATOR ACCT. NO. N 516/1

ADDRESS P.O. Box 790233

Vernal NE 68070

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12025	43-013-31640	Boundary 7-21	SENE	21	3S	17E	Duchesne	10/12/96	10/12/96
WELL 1 COMMENTS: <i>Entities added 11-5-96. Lee</i>											
A	99999	12026	43-013-31611	Monument Butte Federal 13-27	SWSW	27	3S	16E	Duchesne	10/26/96	10/26/96
WELL 2 COMMENTS:											
A	99999	12027	43-013-31669	Monument Butte Federal 4-34 I	NWNW	34	3S	16E	Duchesne	10/16/96	10/16/96
WELL 3 COMMENTS:											
B	99999	10835	43-013-31738	Monument Butte Federal 3A-35	NENW	35	3S	16E	Duchesne	10/29/96	10/29/96
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENTS section to explain why each Action Code was selected.

1/2/97

*Cheryl Cameron*  
Signature Cheryl Cameron  
Regulatory  
Compliance Spec.  
Title \_\_\_\_\_ Date \_\_\_\_\_

Phone No. (801) 789-1866  
Fax (801) 789-1877

**F A X**

.....  
Inland Production Co.

---

To: Lysha Cordova  
Company:  
Fax number: +1 (801) 359-3940  
Business phone:

From: Cheryl Cameron  
Fax number: +1 (801) 789-1877  
Business phone: 801-789-1866  
Home phone:

Date & Time: 11/4/96 9:00:10 AM  
Pages: 2  
Re: Entity Action Form

---

Lysha,

I am faxing the Entity Action Form 6 for the following locations:

Boundary #7-21  
Monument Butte Federal #13-27  
Monument Butte Federal #4-34 |  
Monument Butte Federal #3A-35

---

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budgeted Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas well ☐ Other

2. Name of Operator

**Inland Production Company**

3. Address and Telephone No.

**P.O. Box 790233 Vernal, UT 84079 Phone No. (801) 789-1866**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SW/SW Sec. 27, T8S, R16E  
619' FSL & 685' FWL**

5. Lease Designation and Serial No.

**U-62848**

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

**Monument Butte**

8. Well Name and No.

**Mon. Butte Fed 13-27**

9. API Well No.

**43-013-31611**

10. Field and Pool, or Exploratory Area

**Monument Butte**

11. County or Parish, State

**Duchesne, UT**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing repair

☐ Altering Casing

☒ Other Weekly Status

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directly drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**WEEKLY STATUS REPORT FOR WEEK OF 10/29/96 - 11/3/96:**

**Drilled 7 7/8" hole from 303' - 6200' w/ Caza, Rig #59. Set 6197.45' of 5 1/2" 15.5# J-55 csg.  
Cmt w/ 425 sx Hybond & 425 sx Thixo w/ 10% Calseal.**

**RDMOL**

14. I hereby certify that the foregoing is true and correct

Signed

**Cheryl Cameron**

Title

**Regulatory Compliance Specialist**

Date

**11/12/96**

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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**SUBMIT IN TRIPLICATE**

## 1. Type of Well

☒ Oil Well    ☐ Gas well    ☐ Other

## 2. Name of Operator

**Inland Production Company**

## 3. Address and Telephone No.

**P.O. Box 790233 Vernal, UT 84079    Phone No. (801) 789-1866**

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SW/SW Sec. 27, T8S, R16E  
619' FSL & 685' FWL**

## 5. Lease Designation and Serial No.

**U-62848**

## 6. If Indian, Allottee or Tribe Name

## 7. If unit or CA, Agreement Designation

**Monument Butte**

## 8. Well Name and No.

**Mon. Butte Fed 13-27**

## 9. API Well No.

**43-013-31611**

## 10. Field and Pool, or Exploratory Area

**Monument Butte**

## 11. County or Parish, State

**Duchesne, UT**

## 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

## TYPE OF ACTION

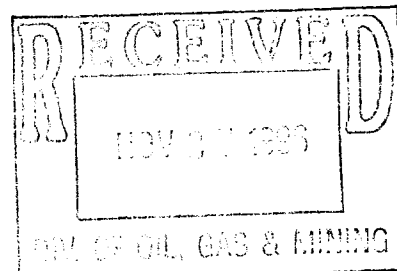
- ☐ Notice of Intent
- ☒ Subsequent Report
- ☐ Final Abandonment Notice

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing repair
- ☐ Altering Casing
- ☒ Other Weekly Status

- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-off
- ☐ Conversion to Injection
- ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**WEEKLY STATUS REPORT FOR WEEK OF 11/18/96 - 11/21/96:****Perf LDC sd 5766' - 5768', 5792' - 5802', 5859' - 5868'****Perf A sd 5523' - 5530', 5558' - 5564'**

14. I hereby certify that the foregoing is true and correct

Signed:

**Cheryl Cameron**

Title

**Regulatory Compliance Specialist**

Date

**11/22/96**

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

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**\*See Instruction on Reverse Side**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

*SUBMIT IN TRIPLICATE*

## 1. Type of Well



Oil Well



Gas well



Other

## 2. Name of Operator

**Inland Production Company**

## 3. Address and Telephone No.

**P.O. Box 790233 Vernal, UT 84079 Phone No. (801) 789-1866**

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SW/SW Sec. 27, T8S, R16E  
619' FSL & 685' FWL**

## 5. Lease Designation and Serial No.

**U-62848**

## 6. If Indian, Allottee or Tribe Name

## 7. If unit or CA, Agreement Designation

**Monument Butte**

## 8. Well Name and No.

**Mon. Butte Fed 13-27**

## 9. API Well No.

**43-013-31611**

## 10. Field and Pool, or Exploratory Area

**Monument Butte**

## 11. County or Parish, State

**Duchesne, UT**

## 12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice

## TYPE OF ACTION



Abandonment



Recompletion



Plugging Back



Casing repair



Altering Casing

Other Weekly Status

Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-off



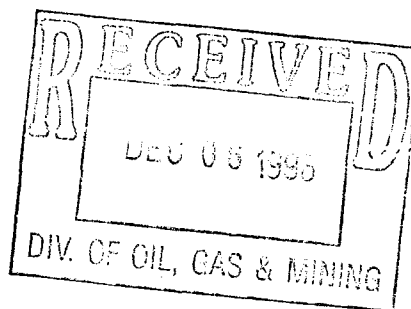
Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**WEEKLY STATUS REPORT FOR WEEK OF 11/22/96 - 12/02/96:****Perf B-2 sd 5381' - 5385'****Perf D sd 5072' - 5075', 5164' - 5168'**

## 14. I hereby certify that the foregoing is true and correct

Signed

**Cheryl Cameron**

Title

**Regulatory Compliance Specialist**

Date

**12/3/96**

(This space of Federal or State office use.)

Approved by

Title

Date

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**\*See Instruction on Reverse Side**

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

## 1. Type of Well

☒ Oil Well    ☐ Gas well    ☐ Other

## 2. Name of Operator

**Inland Production Company**

## 3. Address and Telephone No.

**P.O. Box 790233 Vernal, UT 84079    Phone No. (801) 789-1866**

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SW/SW Sec. 27, T8S, R16E  
619' FSL & 685' FWL**

## 5. Lease Designation and Serial No.

**U-62848**

## 6. If Indian, Allottee or Tribe Name

## 7. If unit or CA, Agreement Designation

## 8. Well Name and No.

**Mon. Butte Fed 13-27**

## 9. API Well No.

**43-013-31611**

## 10. Field and Pool, or Exploratory Area

**Monument Butte**

## 11. County or Parish, State

**Duchesne, UT**

## 12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

☐ Notice of Intent  
  
☒ Subsequent Report  
  
☐ Final Abandonment Notice

## TYPE OF ACTION

<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
<input type="checkbox"/> Casing repair	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
<input checked="" type="checkbox"/> Other <u>Weekly Status</u>	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**WEEKLY STATUS REPORT FOR WEEK OF 11/21/96 - 12/3/96:****Perf B-2 sd 5381' - 5385'****Perf D sd 5072' - 5075', 5164' - 5168'****RIH w/ Production String****ON PRODUCTION 12/3/96**

## 14. I hereby certify that the foregoing is true and correct

Signed

**Cheryl Cameron**

Title

**Regulatory Compliance Specialist**

Date

**12/6/96**(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

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**\*See Instruction on Reverse Side**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. REVR. <input type="checkbox"/>	Other <input type="checkbox"/>
2. NAME OF OPERATOR Inland Production Company							
3. ADDRESS OF OPERATOR P.O. Box 790233 Vernal, UT 84079 (801) 789-1866							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface SW/SW At top prod. interval reported below 619' FSL & 685' FWL At total depth							
14. PERMIT NO. 43-013-31611				DATE ISSUED 2/20/96			
15. DATE SPUDDED 10/26/96		16. DATE T.D. REACHED 11/2/96		17. DATE COMPL. (Ready to prod.) 12/3/96		18. ELEVATIONS (DF, RKB, RT, CB, ETC.)* 5617' GR	
20. TOTAL DEPTH, MD & TVD 6200'		21. PLUG, BACK T.D., MD & TVD 6150'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY Rotary	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5766'-5768', 5778'-5781', 5792'-5802', 5859'-5868', 5381'-5385', 5072'-5075', 5164'-5168' Green River						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN CBL, DLL, CNL 1-16-97						27. WAS WELL CORRED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8 5/8		24#		288.49' GL		12 1/4	
5 1/2		15.5#		6197.45' KB		7 7/8	
29. LINER RECORD				30. TUBING RECORD			
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
LDC 5766'-5768', 5778'-5781', 5792'-5802' 5859'-5868' A 5523'-5530', 5558'-5564' B-2 5381'-5385' D 5072'-5075', 5164'-5168'				DEPTH INTERVAL (MD) See back AMOUNT AND KIND OF MATERIAL USED			
33. PRODUCTION							
DATE FIRST PRODUCTION 12/3/96		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 2 1/2" X 1 1/2" X 15' RHAC pump				WELL STATUS (Producing or shut-in) producing	
DATE OF TEST 10 day avg		HOURS TESTED 12/96		CHOKES SIZE N/A		PROD'N. FOR TEST PERIOD 106	
FLOW, TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BSL..	
						106	
						132	
						6	
						1.2	
						OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold & Used for Fuel							
35. LIST OF ATTACHMENTS Logs in Item #26							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED Cheryl Cameron		TITLE Regulatory Compliance Specialist				DATE 1/10/96	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

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37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Garden Gulch Mkr	4356'		#32. Perf LDC sd 5766'-5768', 5778'-5781' 5792'-5802', 5859'-5868' Frac w/ 107,800# 20/40 sd in 600 bbls boragel Perf A sd 5523'-5530', 5558'-5564' Frac w/ 81,900# 20/40 sd in 483 bbls boragel Perf B-2 sd 5381'-5385' Frac w/ 74,400# 20/40 sd in 454 bbls boragel Perf D sd 5072'-5075', 5164'-5168' Frac w/ 96,200# 20/40 sd in 532 bbls boragel			
Point 3 Mkr	4627'					
X Mkr	4884'					
Y Mkr	4915'					
Douglas Ck Mkr	5039'					
Bicarbonate Mkr	5285'					
B Limestone Mkr	5415'					
Ca Peak	5951'					
Basal Carbonate	NDE					

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budgeted Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

## 1. Type of Well



Oil Well



Gas well



Other

## 2. Name of Operator

**Inland Production Company**

## 3. Address and Telephone No.

**P.O. Box 790233 Vernal, UT 84079 Phone No. (801) 789-1866**

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SW/SW 619' FSL & 685' FWL  
Sec. 27, T8S, R16E**

## 5. Lease Designation and Serial No.

**U-62848**

## 6. If Indian, Allottee or Tribe Name

## 7. If unit or CA, Agreement Designation

## 8. Well Name and No.

**Monument Butte Federal #13-27**

## 9. API Well No.

**43-013-31611**

## 10. Field and Pool, or Exploratory Area

**Monument Butte**

## 11. County or Parish, State

**Duchesne, UT**

## 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice

## TYPE OF ACTION



Abandonment



Recompletion



Plugging Back



Casing repair



Altering Casing



Other \_\_\_\_\_



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-off



Conversion to Injection

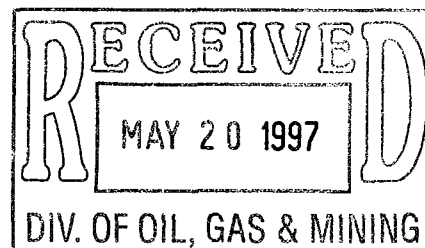


Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**Inland Production Company requests authorization to convert the Monument Butte Federal #13-27 from a producing well to a Class II Injection well.**



14. I hereby certify that the foregoing is true and correct

Signed

**Cheryl Cameron**

Title

**Regulatory Compliance Specialist**

Date

**5/15/97**

(This space of Federal or State office use.)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

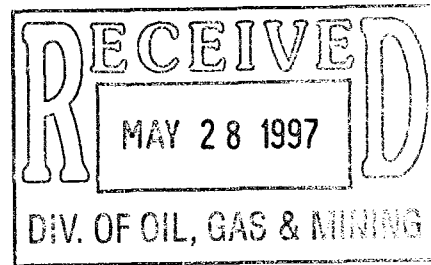
Date \_\_\_\_\_

Conditions of approval, if any:

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to any matter within its jurisdiction.

\*See Instruction on Reverse Side



**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**MONUMENT BUTTE FEDERAL #13-27**  
**TRAVIS 11 GREEN RIVER UNIT**  
**LEASE NO. U-62848**  
**MAY 15, 1997**

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company

**Well:** MBF 13-27

**Location:** 27/8S/16E

**API:** 43-013-31611

A complete Statement of Basis was prepared for the Travis Unit project. All of the below issues were addressed in detail. This statement addresses only well specific issues.

**Ownership Issues:** The proposed well is located on BLM land. All lands in the one-half mile radius of the well are owned by the BLM. Leases in the one-half mile radius are held by various individuals and companies. A list of the lease holders, surface owners and operators was submitted with the application. Inland has submitted an affidavit stating that all owners and interest owners have been notified of there intent to convert the well to an injector.

**Well Integrity:** The proposed well has surface casing set at 288 feet and is cemented to surface. A 5 ½ inch production casing is set at 6225 feet and has a reported cement top at 449 feet. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at approximately 5050 feet. A mechanical integrity test will be run on the well prior to injection. There are 5 producing wells and 1 injection well in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** The base of moderately saline water is at a depth of approximately 300 feet. High quality ground water may be present in sands down through a depth of 300 feet. These sands are generally discontinuous, low yielding and not subject to direct recharge. Injection shall be limited to the interval between 5072 feet and 5868 feet in the Green River Formation, specifically the LDC, A, B and D sands of the Douglas Creek and the Castle Peak members. The confining intervals above and below the injection zone consists of tight, moderately calcareous sandy lacustrine shale. A water analysis submitted by Inland for the 13-27 well indicates that water in the formation is approximately 20,000 ppm total dissolved solids. The formation is not considered a USDW. Information submitted by Inland indicates that the fracture gradient for the injection zone in the 13-27 well is .87 psig/ft. The resulting fracture pressure at the proposed uppermost perforation at 5072 feet is 2181 psig. The requested maximum pressure was 2181 psi. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be



adequately protected.

Travis II Unit  
page 2

**Oil/Gas& Other Mineral Resources Protection:** This well is located in the proposed expansion of the Travis Unit area. The new expansion will be designated Travis II Unit. A petition has been made to the Board of Oil, Gas and Mining and the BLM for approval of the expansion and for unit operations. The issue will be heard before the Board on July 30, 1997. Correlative rights issues and other interests will be addressed at this time. In review of the information submitted to the Board it appears that the expansion will increase ultimate recovery and will protect the interests of all owners.

**Bonding:** The well is located on Federal land and proper bonds are held by the BLM.

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard (Cause No. 213-2(A)). This notice addresses both the expansion of the Travis Unit and requests permission to convert three wells to injection, one of which is the MBF 13-27. It is recommended that approval be granted to convert the wells to injection predicated on approval from the Board for the expansion and BLM approval of the Unit. Approval should be granted in accordance with information submitted by Inland in there application for conversion. A casing pressure test should be conducted at the time of conversion and a casing/tubing pressure test should be conducted prior to injection.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): D.Jarvis Date: 7/1/97

RECEIVED  
MAY 28 1997  
DIV. OF OIL, GAS & MINING

OPERATOR Inland Production Company  
ADDRESS P.O. Box 790233 Vernal, UT 84079

Comments:

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS**  
**RULE R615-5-1**

- 1) Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2) A request for agency action for authority for the injection of gas, liquefied petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:

2.1. *The name and address of the operator of the project;*

**Answer:** Inland Production Company  
P.O. Box 1446  
W. Poleline Road  
Roosevelt, Utah 84066

2.2. *A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile radius of the project area;*

**Answer:** Reference Exhibit "A-1."

2.3. *A full description of the particular operation for which approval is requested;*

**Answer:** To approve the conversion of the Monument Butte Federal #13-27 from a producing oil well to a water injection well in the Travis 11 Green River Unit in the Monument Butte Field; and to approve the installation of an injection line. The line would leave the injection facility at the Monument Butte Federal #3-34, and proceed northwesterly to the proposed Monument Butte Federal #13-27 injection well. The proposed injection line would be a 3" coated steel pipe buried 5' below surface and would provide injection water to the Monument Butte Federal #13-27, from our existing water injection line. Reference Exhibit "B".

2.4. *A description of the pools from which the identified wells are producing or have produced;*

**Answer:** The proposed injection well will inject into the Green River Formation.

2.5. *The names, description and depth of the pool or pools to be affected;*

**Answer:** The Green River Formation pool targeted for injection is the LDC, A, B-2, and D sands, with a gamma ray derived top @ 5072' in the D sand. The injection zones are a porous and permeable lenticular calcareous sandstone. The porosity of the sandstone is intergranular. The confining impermeable stratum directly above at ( 5039',) and below at (5285') the injection zones are composed of tight, moderately calcareous lacustrine shale.

2.6. *A copy of a log of a representative well completed in the pool;*

**Answer:** Referenced log Monument Butte Federal #13-27 is currently on file with the Utah Division of Oil, Gas & Mining.

2.7. *A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily;*

**Answer:** Culinary water from Johnson Water District supply line.

Estimated Injection Rate:	Estimated Average	300 BPD
	Estimated Maximum	1000 BPD

2.8. *A list of all operators or owners and surface owners within a one-half mile radius of the proposed project;*

**Answer:** Reference Exhibit "C".

2.9. *An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection;*

**Answer:** Reference Exhibit "D".

2.10. *Any additional information the Board may determine is necessary to adequately review the petition.*

**Answer:** Inland will supply any additional information requested by the Utah Division of Oil Gas & Mining Board.

4.0. *Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the board after notice and hearing or by administrative approval.*

**Answer:** This proposed injection well is within the Travis 11 Green River Unit in the Monument Butte Field and the request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE  
AND ENHANCED RECOVERY WELLS  
SECTION V - RULE 615-5-2**

- 1) Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2) The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:

- 2.1. *A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well;*

**Answer:** Reference Exhibits "A-1" through "A-3."

- 2.2. *Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity;*

**Answer:** All logs are on file with the Utah Division of Oil Gas & Mining.

- 2.3. *A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented;*

**Answer:** A copy of the cement bond log is on file with the Utah Division of Oil, Gas & Mining

- 2.4. *Copies of log already on file with the Division should be referenced, but need not to be refiled.*

**Answer:** All copies are on file with the Utah Division of Oil, Gas & Mining.

- 2.5. *A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well;*

**Answer:** The casing program is 8-5/8" 24# J-55 surface casing run to 288.49', and the 5 1/2" casing from surface to 6225.45'. A casing integrity test will be conducted at time of conversion. Reference Exhibits "E-1" through "E-15".

- 2.6. *A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.*

**Answer:** Culinary water from Johnson water line at our pre approved Monument Butte supply line. Reference Exhibit "B". Estimated Injection Rate:

Average	300 BPD
Maximum	1000 BPD

- 2.7. *Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.*

**Answer:** A standard laboratory analysis of (1) the fluid to be injected (Johnson water), (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids. Reference Exhibits "F-1 through "F-4."

- 2.8. *The proposed average and maximum injection pressures;*

**Answer:** Proposed average and maximum injection pressures;

The proposed average and maximum injection pressure for the Monument Butte Federal #13-27, averages approximately .87 psig/ft.

- 2.9. *Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata;*

**Answer:** The frac gradient for the Monument Butte Federal #13-27, for existing zones (5072'-5868') averages approximately .87 psig/ft. The maximum injection pressures will be kept below this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. Reference Exhibit "G-1" through "G-4."

Proposed Maximum Injection Pressure:  $P_m = [.87 - (.433)(1.010)] \quad 5072'$   
 $P_m = 2181$

- 2.10. *Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent;*

**Answer:** In the Monument Butte Federal #13-27, the injection zone is in the LDC sands (5766'-5868'), A sands (5523'-5564'), B-2 sands (5381'-5385'), and in the D sands (5072'-5168') contained within the Douglas Creek and the Castle Peak members of the Green River Formation. The reservoir is a very fine grain sandstone with minor interbedded shale streaks. The top of the Douglas Creek Member, estimated at approximately 5039', and the top the Castle Peak at approximately 5951'. The estimated average porosity is 14%; the estimated fracture pressure is 2181# psi.

The strata confining the injection zone is composed of tight, moderately calcareous sandy lacustrine shale. All of the confining strata is impermeable and it will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it. Maps and cross sections to the Monument Butte area are on file with the Division of Oil, Gas & Mining.

- 2.11. *A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals;*

**Answer:** Exhibits "E-1" through "E-15".

The injection system will be equipped with high and low pressure shut-down devices which will automatically shut-in injection waters if a system blockage or leakage occurs. One way check valves will also insure proper flow management. Relief valves will also be utilized for high pressure relief.

- 2.12. *An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well;*

**Answer:** Exhibit "D".

- 2.13 *Any other additional information that the Board or Division may determine is necessary to adequately review the application.*

*Answer:* Inland Production Company will await review of this application and additional information will be submitted if required.

- 3) Applications for injection wells which are within a recovery project area will be considered for approval.
  - 3.1. Pursuant to Rule 615-5-1-3
  - 3.2. Subsequent to Board approval of a recovery project pursuant to Rule 615-5-1-3.
- 4) Approval of an injection well is subject to the requirements of Rule 615-5-4, if the proposed injection interval can be classified as an USDW.
- 5) In addition to the requirements of this section, the provisions of Rule 615-3-1, R615-3-4, R615-3-24, R615-3-32, R615-8-1 and R615-10 apply to all Class II injection wells.

**INLAND PRODUCTION COMPANY**

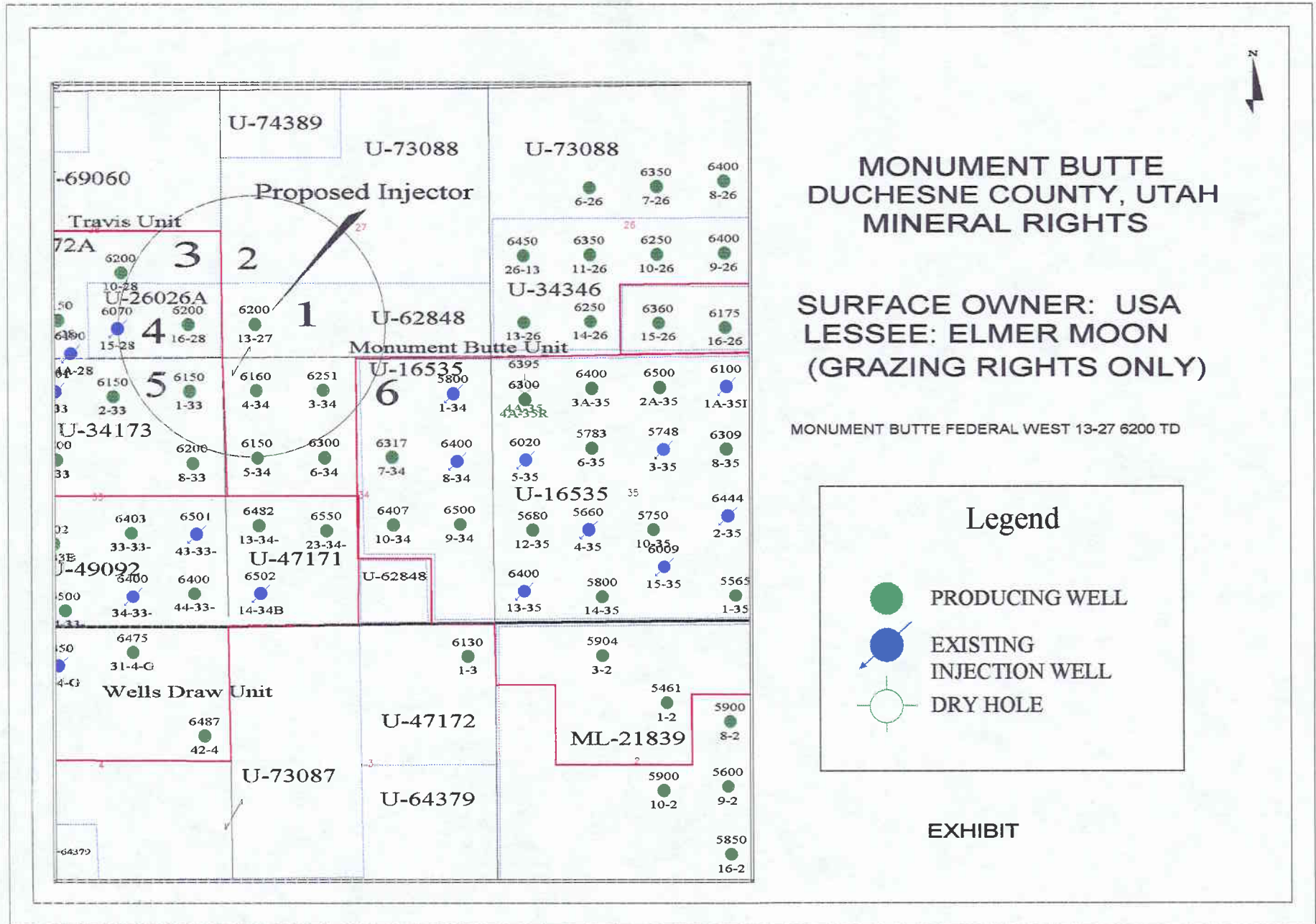
**Monument Butte Federal #13-27  
Sec. 27, T8S, R16E  
Duchesne County, Utah**

**PLUGGING & ABANDONMENT PLAN**

The plugging and abandonment plan consists of the following plugs:

- PLUG #1:** Set 150' balanced plug inside 5 ½" csg from 3850' - 3700'. Circ well to 2200' w/ 8.4 PPG fluid.
- PLUG #2:** Set 150' balanced plug inside 5 ½" csg from 2400'-2250'. Circ well to 320' w/ 8.4 PPG fluid.
- PLUG #3:** Set 150' balanced plug across surface csg shoe @ 300'.
- PLUG #4:** 10 sx plug @ surface.
- Install dry hole marker & restore location.





## EXHIBIT "A-2"

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Grazing Rights Leased by
1	Township 8 South, Range 16 East Section 27: S/2S/2 Section 34: NW/4, SW/4SE/4	U-62848 HBP	Inland Production Company James Fischgrund Thomas I. Jackson King Oil & Gas of Texas, LTD. Texas General Offshore	Elmer Moon
2	Township 8 South, Range 16 East Section 22: Lot 1, NE/4NW/4, S/2NW/4, SE/4 Section 23: SW/4 Section 26: N/2 Section 27: NE/4, S/2NW/4, N/2S/2	U-73088 HBP	Inland Production Company	Elmer Moon
3	Township 8 South, Range 16 East Section 28: N/2SE/4, SW/4	SL-071572A HBP	Inland Production Company LOEX Properties 1983, Ltd.	Elmer Moon
4	Township 8 South, Range 16 East Section 28: S/2SE/4	U26026A HBP	Inland Production Company LOEX Properties 1983, Ltd.	Elmer Moon

## EXHIBIT "A-3"

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Grazing Rights Leased by
5	Township 8 South, Range 16 East Section 33: N/2	U-34173 HBP	Inland Production Company LOEX Properties 1983, Ltd.	Elmer Moon
6	Township 8 South, Range 16 East Section 34: E/2E/2, W/2NE/4, NW/4SE/4 Section 35: All	U-16535 HBP	Inland Production Company Marian Brennan Raymond H. Brennan Davis Brothers Davis Resources James Fischgrund International Drilling Services Thomas I. Jackson King Oil & Gas of Texas, LTD. Texas General Offshore Jack Warren	Elmer Moon



## EXHIBIT "C-1"

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Grazing Rights Leased by
1	Township 8 South, Range 16 East Section 27: S/2S/2 Section 34: NW/4, SW/4SE/4	U-62848 HBP	Inland Production Company James Fischgrund Thomas I. Jackson King Oil & Gas of Texas, LTD. Texas General Offshore	Elmer Moon
2	Township 8 South, Range 16 East Section 22: Lot 1, NE/4NW/4, S/2NW/4, SE/4 Section 23: SW/4 Section 26: N/2 Section 27: NE/4, S/2NW/4, N/2S/2	U-73088 HBP	Inland Production Company	Elmer Moon
3	Township 8 South, Range 16 East Section 28: N/2SE/4, SW/4	SL-071572A HBP	Inland Production Company LOEX Properties 1983, Ltd.	Elmer Moon
4	Township 8 South, Range 16 East Section 28: S/2SE/4	U26026A HBP	Inland Production Company LOEX Properties 1983, Ltd.	Elmer Moon

## EXHIBIT "C-2"

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Grazing Rights Leased by
5	Township 8 South, Range 16 East Section 33: N/2	U-34173 HBP	Inland Production Company LOEX Properties 1983, Ltd.	Elmer Moon
6	Township 8 South, Range 16 East Section 34: E/2E/2, W/2NE/4, NW/4SE/4 Section 35: All	U-16535 HBP	Inland Production Company Marian Brennan Raymond H. Brennan Davis Brothers Davis Resources James Fischgrund International Drilling Services Thomas I. Jackson King Oil & Gas of Texas, LTD. Texas General Offshore Jack Warren	Elmer Moon

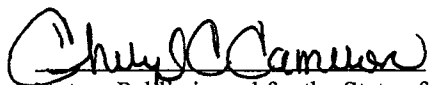
EXHIBIT "D"

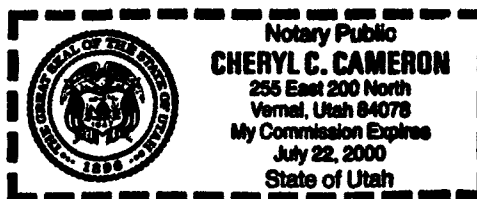
RE: Application for Approval of Class II Injection Well  
Monument Butte Federal #13-27.

I certify that a copy of the application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

  
INLAND PRODUCTION COMPANY  
Brad Mecham  
District Manager

Sworn to and subscribed before me this 27 day of May 1997.

  
Notary Public in and for the State of Utah



## Monument Butte Federal #13-27

Spud Date: 10/29/96  
Put on Production: 12/3/96  
GL: 5617' KB: 5630'

Initial Production: 106 BOPD,  
132 MCFPD, 6 BWPD

## Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 289.49' (7 jts.)  
DEPTH LANDED: 288.49' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 147 jts. (6225.45')  
DEPTH LANDED: 6197.45'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 425 sk Hibond mixed & 425 sxs Thixo w/ 10% CalSeal  
CEMENT TOP AT: 449' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 199 jts  
TUBING ANCHOR: 5707'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: EOT @ 5956'  
SN LANDED AT: 5861'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished  
SUCKER RODS: 8 - 1" scraped, 4 - 3/4" scraped, 129-3/4" plain rods, 92-3/4" scraped  
TOTAL ROD STRING LENGTH: 5841  
PUMP NUMBER: ?  
PUMP SIZE: 2-1/2 x 1-1/2 x 15 RHAC pump  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 8 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

11/20/96 5766'-5868' **Frac LODC sand as follows:**  
107,800# of 20/40 sand in 600 bbls of Boragel. Breakdown @ 3180 psi. Treated @ avg rate of 32.2 bpm w/avg press of 2700 psi. ISIP-3137 psi, 5-min 3039 psi. Flowback on 12/64" ck for 5 hours and died.

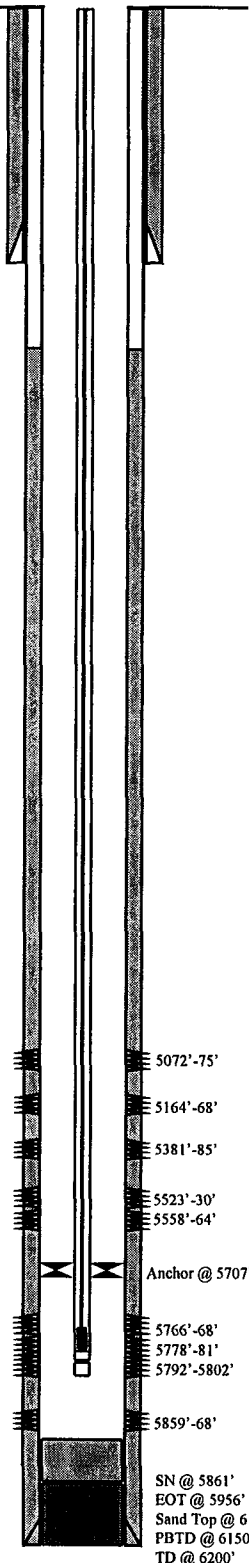
11/22/96 5523'-5564' **Frac A-2 sand as follows:**  
81,900# of 20/40 sand in 483 bbls of Boragel. Breakdown @ 2560 psi. Treated @ avg rate of 23 bpm w/avg press of 2400 psi. ISIP-3917 psi, 5-min 3442 psi. Flowback on 12/64" ck for 3 hrs and died.

11/25/96 5381'-5385' **Frac B-2 sand as follows:**  
74,400# of 20/40 sand in 454 bbls of Boragel. Breakdown @ 3214 psi. Treated @ avg rate of 20.5 bpm w/avg press of 2450 psi. ISIP-2817 psi, 5-min 2650 psi. Flowback on 12/64" ck for 3 hours and died.

11/27/96 5072'-5168' **Frac D-1 and D-3 sand as follows:**  
96,200# of 20/40 sand in 532 bbls of Boragel. Breakdown @ 2380 psi. Treated @ avg rate of 22 bpm w/avg press of 1950 psi. ISIP-2402 psi, 5-min 2343 psi. Flowback on 12/64" ck for 5 hours and died.

PERFORATION RECORD

11/19/96	5766'-5768'	4 JSPF	8 holes
11/19/96	5778'-5781'	4 JSPF	12 holes
11/19/96	5792'-5802'	4 JSPF	40 holes
11/19/96	5859'-5868'	4 JSPF	36 holes
11/21/96	5523'-5530'	4 JSPF	28 holes
11/21/96	5558'-5564'	4 JSPF	24 holes
11/23/96	5381'-5385'	4 JSPF	16 holes
11/27/96	5072'-5075'	4 JSPF	12 holes
11/27/96	5164'-5168'	4 JSPF	16 holes



Inland Resources Inc.

Monument Butte Federal #13-27

619 FSL 685 FWL

SWSW Section 27-T8S-R16E

Duchesne Co, Utah

API #43-013-31611; Lease #U-62848



## Monument Butte Federal #13-27

Spud Date: 10/29/96  
Put on Injection: --/--/--  
GL: 5617' KB: 5630'

Initial Production: 106 BOPD,  
132 MCFPD, 6 BWPD

## Proposed Injection Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 289.49'(7 jts.)  
DEPTH LANDED: 288.49' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 147 jts. (6225.45')  
DEPTH LANDED: 6197.45'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 425 sk Hibond mixed & 425 sxs Thixo w/ 10% CalSeal  
CEMENT TOP AT: 449' per CBL

TUBING

SIZE/GRADE/WT.:  
NO. OF JOINTS:  
TUBING ANCHOR:  
SEATING NIPPLE:  
TOTAL STRING LENGTH:  
SN LANDED AT:

SUCKER RODS

POLISHED ROD:  
SUCKER RODS:  
TOTAL ROD STRING LENGTH:  
PUMP NUMBER:  
PUMP SIZE:  
STROKE LENGTH:  
PUMP SPEED, SPM:  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

11/20/96 5766'-5868' **Frac LODC sand as follows:**  
107,800# of 20/40 sand in 600 bbls of Boragel. Breakdown @ 3180 psi. Treated @ avg rate of 32.2 bpm w/avg press of 2700 psi. ISIP-3137 psi, 5-min 3039 psi. Flowback on 12/64" ck for 5 hours and died

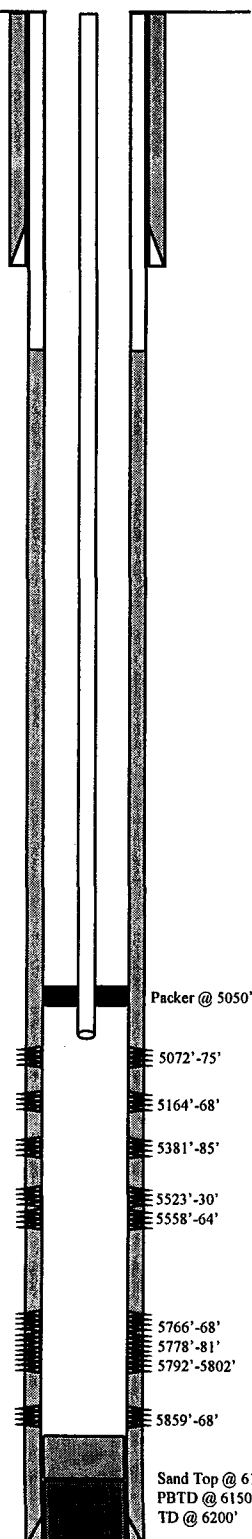
11/22/96 5523'-5564' **Frac A-2 sand as follows:**  
81,900# of 20/40 sand in 483 bbls of Boragel. Breakdown @ 2560 psi. Treated @ avg rate of 23 bpm w/avg press of 2400 psi. ISIP-3917 psi, 5-min 3442 psi. Flowback on 12/64" ck for 3 hrs and died.

11/25/96 53381'-5385' **Frac B-2 sand as follows:**  
74,400# of 20/40 sand in 454 bbls of Boragel. Breakdown @ 3214 psi. Treated @ avg rate of 20.5 bpm w/avg press of 2450 psi. ISIP-2817 psi, 5-min 2650 psi. Flowback on 12/64" ck for 3 hours and died.

11/27/96 5072'-5168' **Frac D-1 and D-3 sand as follows:**  
96,200# of 20/40 sand in 532 bbls of Boragel. Breakdown @ 2380 psi. Treated @ avg rate of 22 bpm w/avg press of 1950 psi. ISIP-2402 psi, 5-min 2343 psi. Flowback on 12/64" ck for 5 hours and died.

PERFORATION RECORD

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11/19/96	5859'-5868'	4 JSPF	36 holes
11/21/96	5523'-5530'	4 JSPF	28 holes
11/21/96	5558'-5564'	4 JSPF	24 holes
11/23/96	5381'-5385'	4 JSPF	16 holes
11/27/96	5072'-5075'	4 JSPF	12 holes
11/27/96	5164'-5168'	4 JSPF	16 holes



**Inland Resources Inc.**

**Monument Butte Federal #13-27**

619 FSL 685 FWL

SWSW Section 27-T8S-R16E

Duchesne Co, Utah

API #43-013-31611; Lease #U-62848

## Monument Butte Federal #13-27

Spud Date: 10/29/96  
 Put on Injection: --/--/--  
 GL: 5617' KB: 5630'

Initial Production: 106 BOPD,  
 132 MCFPD, 6 BWPD

## Proposed Plugging Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 289.49' (7 jts.)  
 DEPTH LANDED: 288.49' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 147 jts. (6225.45')  
 DEPTH LANDED: 6197.45'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 425 sk Hibond mixed & 425 sxs Thixo w/ 10% CalSeal  
 CEMENT TOP AT: 449' per CBL

TUBING

SIZE/GRADE/WT.:  
 NO. OF JOINTS:  
 TUBING ANCHOR:  
 SEATING NIPPLE:  
 TOTAL STRING LENGTH:  
 SN LANDED AT:

SUCKER RODS

POLISHED ROD:  
 SUCKER RODS:  
 TOTAL ROD STRING LENGTH:  
 PUMP NUMBER:  
 PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

Plug #4: 10 sxs plug at surface.

Plug #3: Set 150' balanced plug across  
 surf csg shoe @ 300'

Plug #2: Set 150' balanced plug inside  
 5-1/2" csg from 2400'-2250' circ well  
 to 320' w/8.4 ppg plugging gel.

Plug #1: Set 150' balanced plug inside  
 5-1/2" csg from 3850'-3700' circ well  
 to 2200' w/8.4 ppg plugging gel.

PERFORATION RECORD

11/19/96	5766'-5768'	4 JSPF	8 holes
11/19/96	5778'-5781'	4 JSPF	12 holes
11/19/96	5792'-5802'	4 JSPF	40 holes
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11/21/96	5523'-5530'	4 JSPF	28 holes
11/21/96	5558'-5564'	4 JSPF	24 holes
11/23/96	5381'-5385'	4 JSPF	16 holes
11/27/96	5072'-5075'	4 JSPF	12 holes
11/27/96	5164'-5168'	4 JSPF	16 holes

Sand Top @ 6140'  
 PBTD @ 6150'  
 TD @ 6200'



**Inland Resources Inc.**

**Monument Butte Federal #13-27**

619 FSL 685 FWL

SWSW Section 27-T8S-R16E

Duchesne Co, Utah

API #43-013-31611; Lease #U-62848

## Monument Butte Federal #5-34

Wellbore Diagram

## Well History:

7-17-95	Spud Well	GL: 5,631'
8-29-95	Perf 5,663'-5,693'	Surface Hole Size: 12 1/4"
8-30-95	Frac LODC-1 zone as follows: 4 ppg 20/40 sd w/ 5,000 boragel 8 ppg 20/40 sd w/ 22,000 boragel Pump 8 ppg 16/30 sd w/ 4,000 Flush w/ 5628 gal 10# Linear Gel	Hole Size: 7 7/8"
8-31-95	Perf 5,442'-5,452', 5,455'-5,458', 5,460'-5,486' 4SPF	Rods: 4-1 1/2" 195 -3/4"
9-1-95	Frac A-3 zone as follows: 8 ppg 20/40 sd w/ 18,000gal Pump 8 ppg 16/30 sd w/ 5,000 gal Flush w/ 5398 gal 10# Linear gel	Run 6,152' of 5 1/2" J-55 csg Cmt w/ 340 sx
9-2-95	Perf 5,263'-5,274', 5,322'-5,326', 5,328'-5,330', 5,332'-5,344'	Run 298.49' of 8 5/8" surfcsg Cmt w/ 120 sx class G cmt
9-5-95	Frac B zone as follows: 4 ppg 16/30 sd w/ 4,000 gal gel 8 ppg 16/30 sd w/ 10,000 gal gel Pump 8 ppg 16/30 sd w/ 3,000 gal gel Flush w/ 5,219 gal 10# Linear gel	
9-7-95	Perf 5,044'-5,052' Frac D-2 zone as follows: 4 ppg 16/30 sd w/ 2,000 gal gel 6 ppg 16/30 sd w/ 4,000 gal gel 8 ppg 16/30 sd w/ 1,000 gal gel Stage 8# w/ 16/30 sd w/ 2,289 gal gel Flush 5,000 gal	
		Perf's: 5,044'-5,052'(D-2)
		Tubing Anchor @ 5,060'
		Perf's: 5,263'-74', 5,322'-26', 5,328'-30', 5,332'-44'(B-1, B-2)
		Perf's: 5,442'-52', 5,455'-58', 5,460'-70', 5,470'-86'(A-3)
		Perf's: 5,663'-93'(LODC-1)
		PBTD @ 6,103' TD @ 6,150'



Inland Resources Inc.

Monument Butte Federal #5-34

1980 FNL 660 FWL

SWNW Section34-T8S-R16E

Duchesne Co, Utah

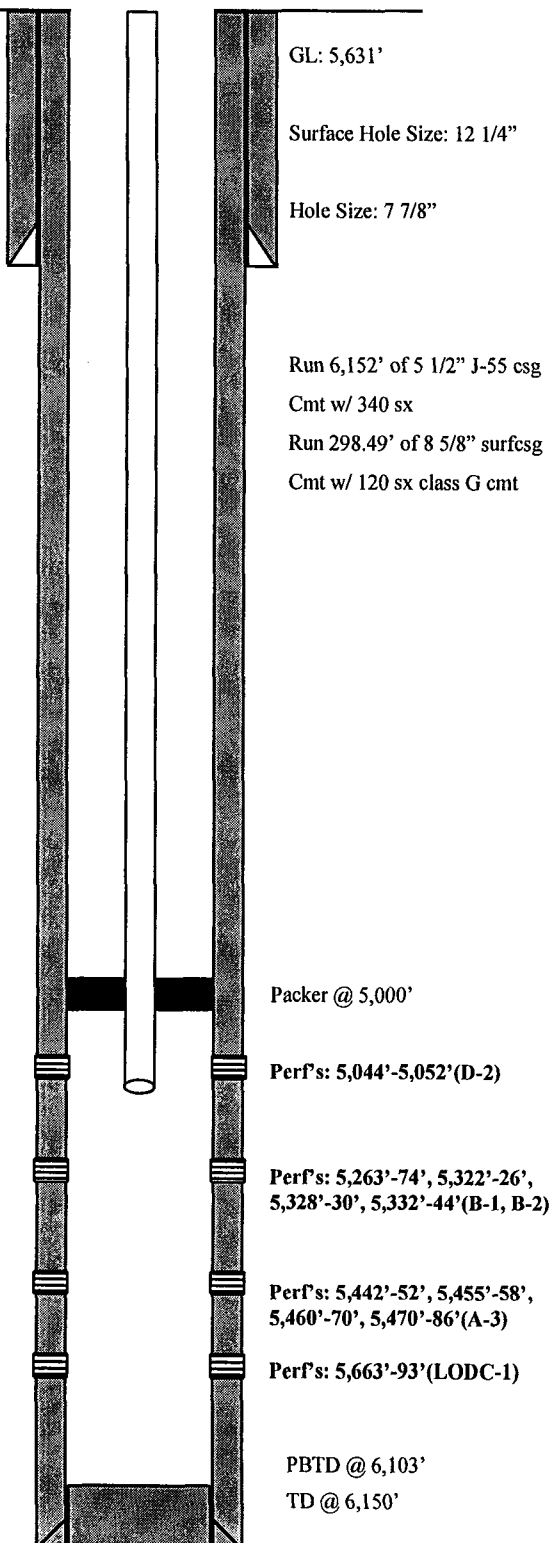
API #43-013-31499; Lease #U-16353

## Monument Butte Federal #5-34

Proposed Injection Diagram

## Well History:

7-17-95	Spud Well
8-29-95	Perf 5,663'-5,693'
8-30-95	Frac LODC-1 zone as follows: 4 ppg 20/40 sd w/ 5,000 boragel 8 ppg 20/40 sd w/ 22,000 boragel Pump 8 ppg 16/30 sd w/ 4,000 Flush w/ 5628 gal 10# Linear Gel
8-31-95	Perf 5,442'-5,452', 5,455'-5,458', 5,460'-5,486' 4SPF
9-1-95	Frac A-3 zone as follows: 8 ppg 20/40 sd w/ 18,000gal Pump 8 ppg 16/30 sd w/ 5,000 gal Flush w/ 5398 gal 10# Linear gel
9-2-95	Perf 5,263'-5,274', 5,322'-5,326', 5,328'-5,330', 5,332'-5,344'
9-5-95	Frac B zone as follows: 4 ppg 16/30 sd w/ 4,000 gal gel 8 ppg 16/30 sd w/ 10,000 gal gel Pump 8 ppg 16/30 sd w/ 3,000 gal gel Flush w/ 5,219 gal 10# Linear gel
9-7-95	Perf 5,044'-5,052' Frac D-2 zone as follows: 4 ppg 16/30 sd w/ 2,000 gal gel 6 ppg 16/30 sd w/ 4,000 gal gel 8 ppg 16/30 sd w/ 1,000 gal gel Stage 8# w/ 16/30 sd w/ 2,289 gal gel Flush 5,000 gal



Inland Resources Inc.

Monument Butte Federal #5-34

1980 FNL 660 FWL

SWNW Section34-T8S-R16E

Duchesne Co, Utah

API #43-013-31499; Lease #U-16353

## Monument Butte Federal #4-34

Spud Date: 10/22/96  
Put on Production: 11/16/96  
GL: 5616' KB: 5629'

Initial Production: 98 BOPD,  
79 MCFPD, 12 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 301.17' (10 jts.)  
DEPTH LANDED: 300.57' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 6 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 146 jts. (6172.89')  
DEPTH LANDED: 6160.09'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 380 sk Hibond mixed & 400 sxs thixotropic  
CEMENT TOP AT: 1374' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: ? jts (?)  
TUBING ANCHOR: 5725'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: ? (EOT @ 6016')  
SN LANDED AT: 5946'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished  
SUCKER RODS: 8 - 1" guided, 4-3/4" guided, 133-3/4" plain rods, 92-3/4" scraped  
TOTAL ROD STRING LENGTH: ?  
PUMP NUMBER: ?  
PUMP SIZE: 2-1/2 x 1-1/2 x 15 RHAC pump  
STROKE LENGTH: 63"  
PUMP SPEED, SPM: 9 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

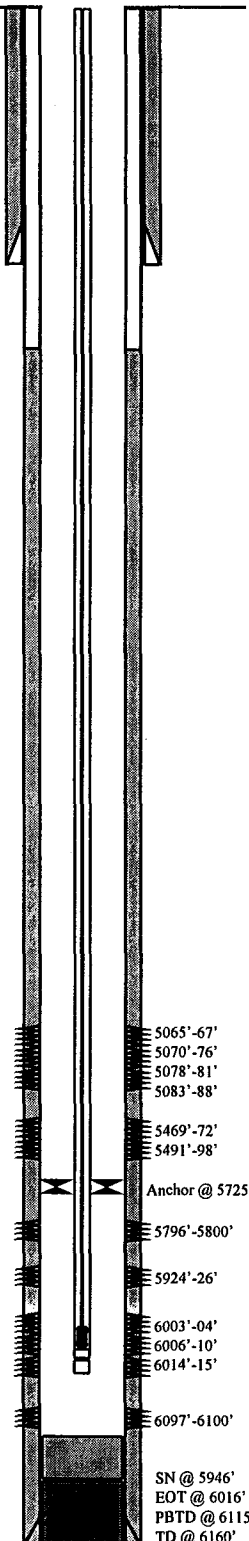
11/7/96 5796'-6100' Frac LODC, CP-2 & CP-3 sand as follows:  
127,500# of 20/40 sand in 748 bbls of Boragel. Breakdown @ 3750 psi. Treated @ avg rate of 36 bpm w/avg press of 2200 psi. ISIP-2086, 5-min 1997 psi. Flowback on 12/64" ck for 6 hours and died.

11/11/96 5469'-5498' Frac A-3 sand as follows:  
95,000# of 20/40 sand in 542 bbls of Boragel. Breakdown @ 3024 psi. Treated @ avg rate of 22.2 bpm w/avg press of 1800 psi. ISIP 2352 psi, 5-min 2255 psi. Flowback on 12/64" ck for 4 hours and died.

11/13/96 5326'-5332' Frac B-2 sand as follows:  
94,800# of 20/40 sand in 507 bbls of Boragel. Breakdown @ 2209 psi. Treated @ avg rate of 23 bpm w/avg press of 1750 psi. ISIP-2713 psi, 5-min 2591 psi. Flowback on 12/64" ck for 5-1/2 hours and died.

PERFORATION RECORD

11/7/96	5796'-5800'	4 JSPF	16 holes
11/7/96	5924'-5926'	4 JSPF	8 holes
11/7/96	6003'-6004'	4 JSPF	4 holes
11/7/96	6006'-6010'	4 JSPF	16 holes
11/7/96	6014'-6015'	4 JSPF	4 holes
11/7/96	6097'-6100'	4 JSPF	12 holes
11/9/96	5469'-5472'	4 JSPF	12 holes
11/9/96	5491'-5498'	4 JSPF	28 holes
11/12/96	5065'-5067'	4 JSPF	8 holes
11/12/96	5070'-5076'	4 JSPF	24 holes
11/12/96	5078'-5081'	4 JSPF	12 holes
11/12/96	5083'-5088'	4 JSPF	20 holes



SN @ 5946'  
EOT @ 6016'  
PBTD @ 6115'  
TD @ 6160'



Inland Resources Inc.

## Monument Butte Federal #4-34

660 FWL 660 FNL  
NWNW Section 34-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31669; Lease #U-62848

## Monument Butte Federal #4-34

Spud Date: 10/22/96  
Put on Production: 11/16/96  
GL: 5616' KB: 5629'

Initial Production: 98 BOPD,  
79 MCFPD, 12 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 301.17' (10 jts.)  
DEPTH LANDED: 300.57' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 6 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 146 jts. (6172.89')  
DEPTH LANDED: 6160.09'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 380 sk Hibond mixed & 400 sxs thixotropic  
CEMENT TOP AT: 1374' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: ? jts (?)  
TUBING ANCHOR: 5725'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: ? (EOT @ 6016')  
SN LANDED AT: 5946'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished  
SUCKER RODS: 8 - 1" guided, 4-3/4" guided, 133-3/4" plain rods, 92-3/4" scraped  
TOTAL ROD STRING LENGTH: ?  
PUMP NUMBER: ?  
PUMP SIZE: 2-1/2 x 1-1/2 x 15 RHAC pump  
STROKE LENGTH: 63"  
PUMP SPEED, SPM: 9 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

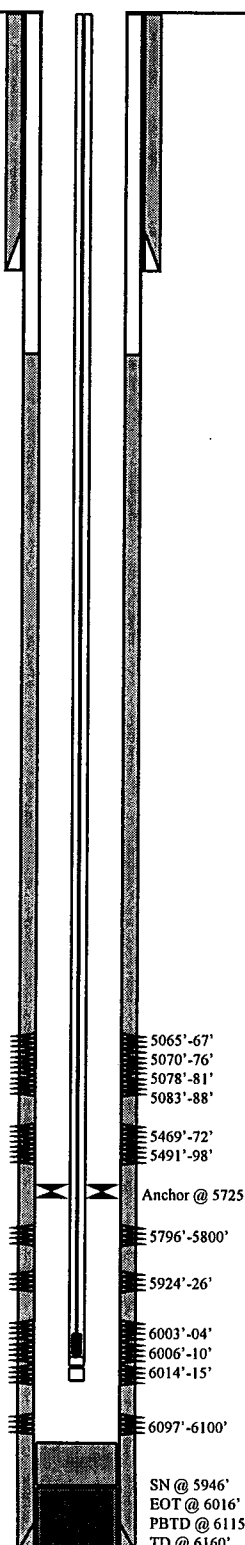
11/7/96 5796'-6100' Frac LODC, CP-2 & CP-3 sand as follows:  
127,500# of 20/40 sand in 748 bbls of Boragel. Breakdown @ 3750 psi. Treated @ avg rate of 36 bpm w/avg press of 2200 psi. ISIP-2086, 5-min 1997 psi. Flowback on 12/64" ck for 6 hours and died.

11/11/96 5469'-5498' Frac A-3 sand as follows:  
95,000# of 20/40 sand in 542 bbls of Boragel. Breakdown @ 3024 psi. Treated @ avg rate of 22.2 bpm w/avg press of 1800 psi. ISIP 2352 psi, 5-min 2255 psi. Flowback on 12/64" ck for 4 hours and died.

11/13/96 5326'-5332' Frac B-2 sand as follows:  
94,800# of 20/40 sand in 507 bbls of Boragel. Breakdown @ 2209 psi. Treated @ avg rate of 23 bpm w/avg press of 1750 psi. ISIP-2713 psi, 5-min 2591 psi. Flowback on 12/64" ck for 5-1/2 hours and died.

PERFORATION RECORD

11/7/96	5796'-5800'	4 JSPF	16 holes
11/7/96	5924'-5926'	4 JSPF	8 holes
11/7/96	6003'-6004'	4 JSPF	4 holes
11/7/96	6006'-6010'	4 JSPF	16 holes
11/7/96	6014'-6015'	4 JSPF	4 holes
11/7/96	6097'-6100'	4 JSPF	12 holes
11/9/96	5469'-5472'	4 JSPF	12 holes
11/9/96	5491'-5498'	4 JSPF	28 holes
11/12/96	5065'-5067'	4 JSPF	8 holes
11/12/96	5070'-5076'	4 JSPF	24 holes
11/12/96	5078'-5081'	4 JSPF	12 holes
11/12/96	5083'-5088'	4 JSPF	20 holes



SN @ 5946'  
EOT @ 6016'  
PBSD @ 6115'  
TD @ 6160'



Inland Resources Inc.

Monument Butte Federal #4-34

660 FWL 660 FNL

NWNW Section 34-T8S-R16E

Duchesne Co, Utah

API #43-013-31669; Lease #U-62848

## Travis Federal Unit #1-33

Spud Date: 7/24/96  
Put on Production: 8/22/96  
GL: 5635' KB: 5648'

Initial Production: 25 BOPD,  
47 MCFPD, 3 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 292.29' (7 jts.)  
DEPTH LANDED: 290.69' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 144 jts. (6157.76')  
DEPTH LANDED: 6149.77'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 335 sk Hyfill mixed & 380 sxs thixotropic  
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 194 jts (?)  
TUBING ANCHOR: 5002'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: ? (EOT @ 5477')  
SN LANDED AT: 5350'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished  
SUCKER RODS: 4-3/4" scraped, 105-3/4" slick rods, 961-3/4" scraped  
TOTAL ROD STRING LENGTH: ?  
PUMP NUMBER: ?  
PUMP SIZE: 1-2-1/2" x 1-1/2" x 15 RHAC pump  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 8 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

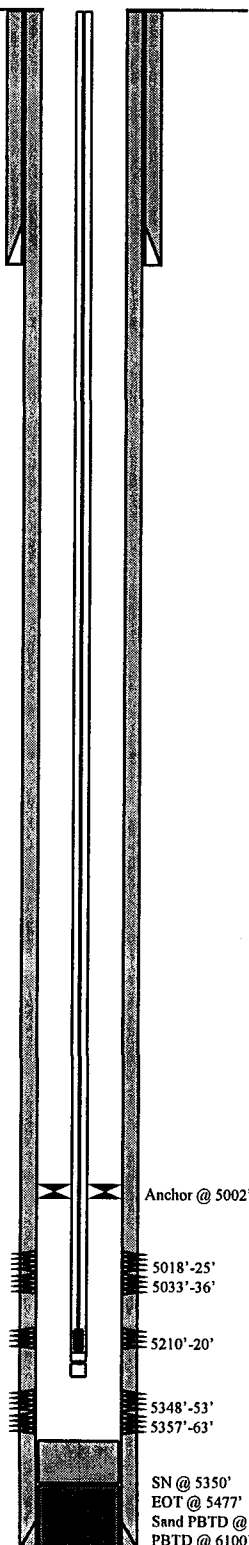
8/14/96 5348'-5363' **Frac B-2 sand as follows:**  
56,600# of 20/40 sand in 364 bbls of  
Boragel. Breakdown @ 2920 psi. Treated @  
avg rate of 18 bpm w/avg press of 2200 psi.  
ISIP- 2456, 5-min 2426 psi. Flowback on  
12/64" ck for 3 hrs and died.

8/16/96 5210'-5220' **Frac C sand as follows:**  
63,800# of 20/40 sand in 369 bbls of  
Boragel. Breakdown @ 2025 psi. Treated @  
avg rate of 21 bpm w/avg press of 3000 psi.  
Well screened off w/984 gal left in flush.  
Est sand displ: 57,400# in formation, 4400#  
in csg. ISIP 4185 psi, 5-min 4033 psi.  
Flowback on 12/64" ck for 15 min and died.

8/19/96 5018'-5036' **Frac D-1 sand as follows:**  
63,900# of 20/40 sand in 383 bbls of  
Boragel. Breakdown @ 2411 psi. Treated @  
avg rate of 25.5 bpm w/avg press of 2600  
psi. ISIP-3182 psi, 5-min 3088 psi.  
Flowback on 12/64" ck for 2-1/2 hrs and  
died.

PERFORATION RECORD

8/13/96	5348'-5353'	4 JSPF	24 holes
8/13/96	5357'-5363'	4 JSPF	28 holes
8/15/96	5210'-5220'	4 JSPF	40 holes
8/17/96	5018'-5025'	4 JSPF	28 holes
8/17/96	5033'-5036'	4 JSPF	12 holes



Inland Resources Inc.

Travis Federal Unit #1-33

660 FEL 660 FNL

NENE Section 33-T8S-R16E

Duchesne Co, Utah

API #43-013-31603; Lease #U-34173

## Travis Federal Unit #1-33

Spud Date: 7/24/96  
Put on Injection: --/--/--  
GL: 5635' KB: 5648'

Initial Production: 25 BOPD,  
47 MCFPD, 3 BWPD

## Injection Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 292.29' (7 jts.)  
DEPTH LANDED: 290.69' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 144 jts. (6157.76')  
DEPTH LANDED: 6149.77'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 335 sk Hyfill mixed & 380 sxs thixotropic  
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.:  
NO. OF JOINTS:  
TUBING ANCHOR:  
SEATING NIPPLE:  
TOTAL STRING LENGTH:  
SN LANDED AT:

SUCKER RODS

POLISHED ROD:  
SUCKER RODS:  
TOTAL ROD STRING LENGTH:  
PUMP NUMBER:  
PUMP SIZE:  
STROKE LENGTH:  
PUMP SPEED, SPM.:  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

8/14/96 5348'-5363' Frac B-2 sand as follows:  
56,600# of 20/40 sand in 364 bbls of  
Boragel. Breakdown @ 2920 psi. Treated @  
avg rate of 18 bpm w/avg press of 2200 psi.  
ISIP- 2456, 5-min 2426 psi. Flowback on  
12/64" ck for 3 hrs and died.

8/16/96 5210'-5220' Frac C sand as follows:  
63,800# of 20/40 sand in 369 bbls of  
Boragel. Breakdown @ 2025 psi. Treated @  
avg rate of 21 bpm w/avg press of 3000 psi.  
Well screened off w/984 gal left in flush.  
Est sand displ: 57,400# in formation, 4400#  
in csg. ISIP 4185 psi, 5-min 4033 psi.  
Flowback on 12/64" ck for 15 min and died.

8/19/96 5018'-5036' Frac D-1 sand as follows:  
63,900# of 20/40 sand in 383 bbls of  
Boragel. Breakdown @ 2411 psi. Treated @  
avg rate of 25.5 bpm w/avg press of 2600  
psi. ISIP-3182 psi, 5-min 3088 psi.  
Flowback on 12/64" ck for 2-1/2 hrs and  
died.

PERFORATION RECORD

8/13/96	5348'-5353'	4 JSPF	24 holes
8/13/96	5357'-5363'	4 JSPF	28 holes
8/15/96	5210'-5220'	4 JSPF	40 holes
8/17/96	5018'-5025'	4 JSPF	28 holes
8/17/96	5033'-5036'	4 JSPF	12 holes

Packer @ 4980'

5018'-25'  
5033'-36'

5210'-20'

5348'-53'  
5357'-63'

SN @ 5350'  
EOT @ 5477'  
Sand PBTD @ 5800'  
PBTD @ 6100'  
TD @ 6350'



Inland Resources Inc.

Travis Federal Unit #1-33

660 FEL 660 FNL

NENE Section 33-T8S-R16E

Duchesne Co, Utah

API #43-013-31603; Lease #U-34173



## Travis Federal Unit #1-33

Spud Date: 7/24/96  
 Plugged: --/--  
 GL: 5635' KB: 5648'

Initial Production: 25 BOPD,  
 47 MCFPD, 3 BWPD

## Plugging Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 292.29' (7 jts.)  
 DEPTH LANDED: 290.69' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Premium cmt, est 4 bbls to surf.

PRODUCTION CASING

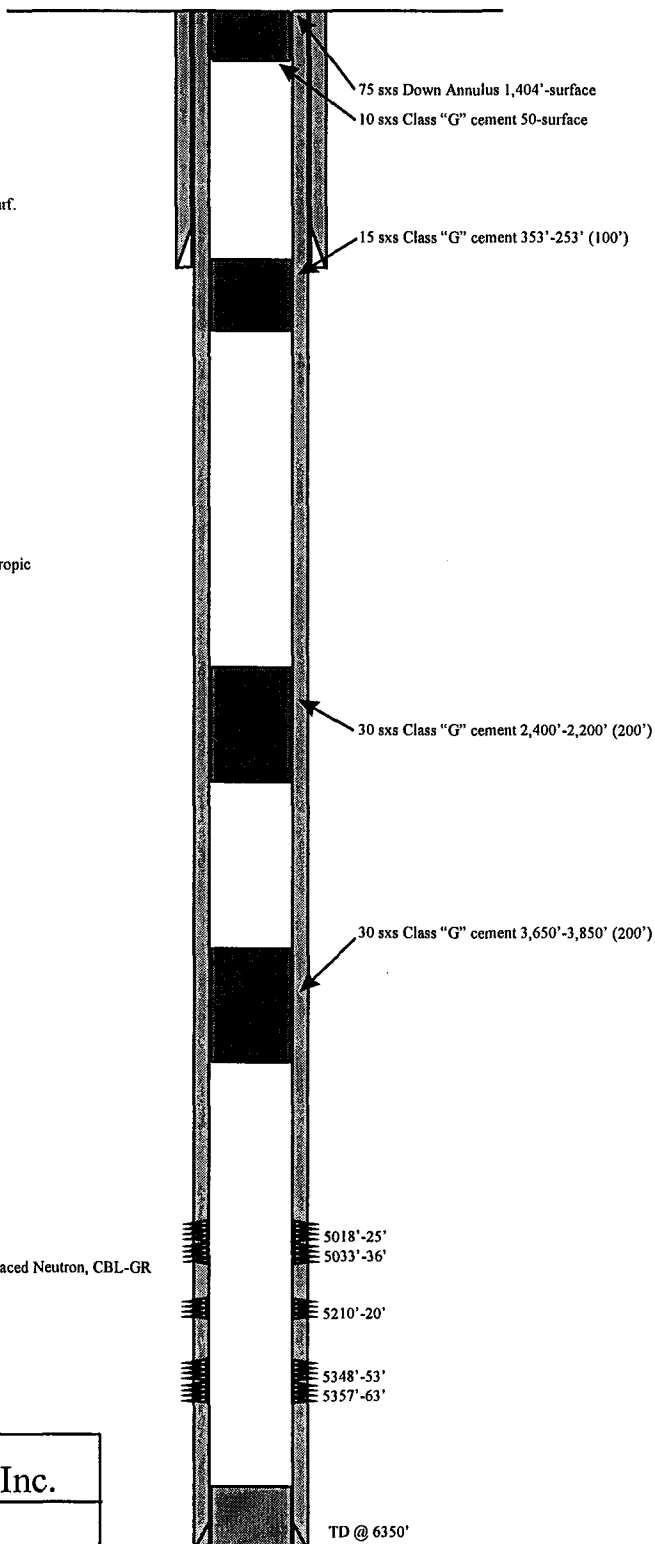
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 144 jts. (6157.76')  
 DEPTH LANDED: 6149.77'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 335 sk Hyfill mixed & 380 sxs thixotropic  
 CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.:  
 NO. OF JOINTS:  
 TUBING ANCHOR:  
 SEATING NIPPLE:  
 TOTAL STRING LENGTH:  
 SN LANDED AT:

SUCKER RODS

POLISHED ROD:  
 SUCKER RODS:  
 TOTAL ROD STRING LENGTH:  
 PUMP NUMBER:  
 PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



Inland Resources Inc.

Travis Federal Unit #1-33

660 FEL 660 FNL

NENE Section 33-T8S-R16E

Duchesne Co, Utah

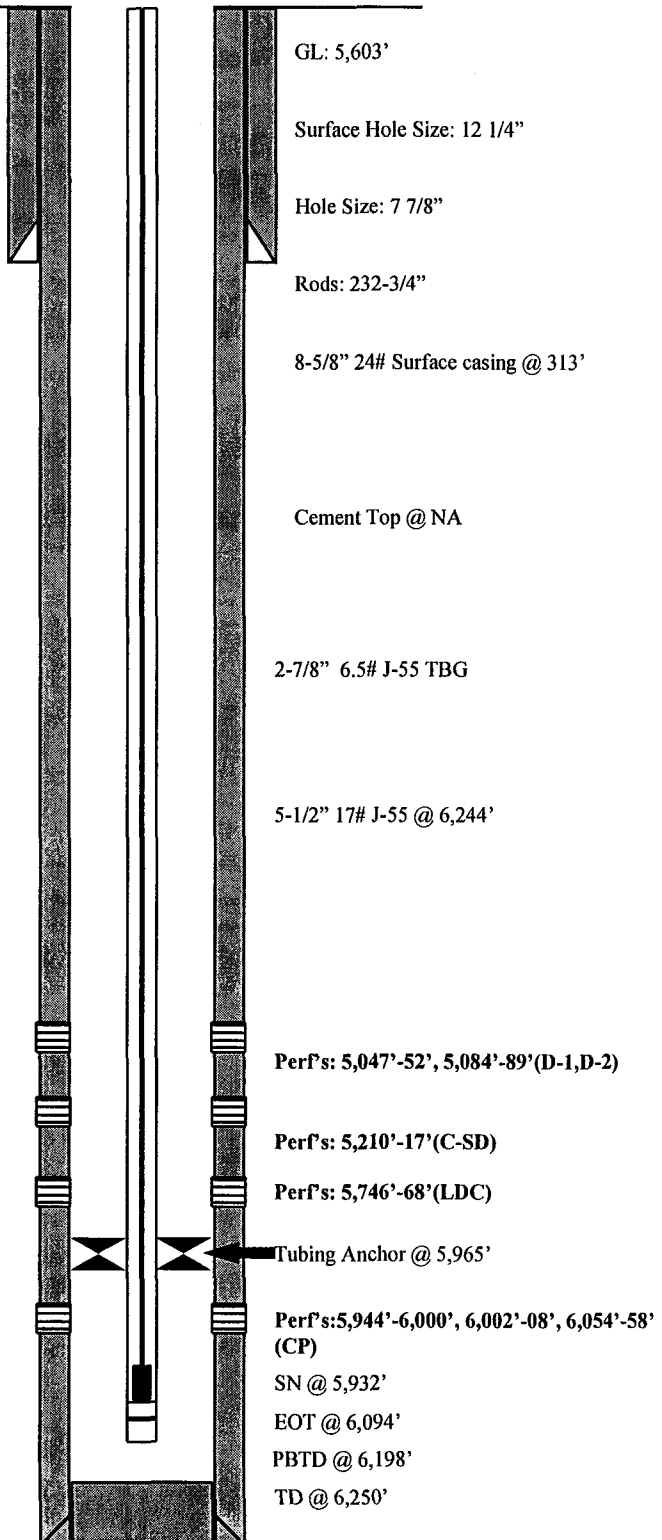
API #43-013-31603; Lease #U-34173

## Monument Butte Federal #3-34

Wellbore Diagram

## Well History:

10-10-95	Spud Well
12-6-95	Perf: 5,994'-6,000', 6,002'-6,008', 6,054'-6,058'
12-7-95	Frac CP zone as follows: Totals 775 bbls Boragel 111,300# 20/40 sd ISIP 2,017, after 5 min 1,935
12-8-95	Perf: 5,746'-5,768'
12-9-95	Frac LDC zone as follows: Totals 592 bbls Boragel 79,100# 20/40 sd Avg TP 2,200 @ 31 BPM ISIP 2,489, after 5 min 2,340
12-10-95	Perf: 5,210'-5,217'
12-12-95	Frac C zone as follows: Totals 424 bbls Boragel 47,600# 20/40 sd Avg TP 1,950 @ 20 BPM ISIP 2,484, after 5 min 2,441
12-13-95	Perf: 5,047'-5,052', 5,084'-5,089'
12-14-95	Frac D zone as follows: Totals 551 bbls Boragel 64,700# 20/40 sd Avg TP 2,220 @ 31 BPM ISIP 2,615, after 5 min 2,747



Inland Resources Inc.

Monument Butte Federal #3-34

1980 FWL 660 FNL

SWNW Section 34-T8S-R16E

Duchesne Co, Utah

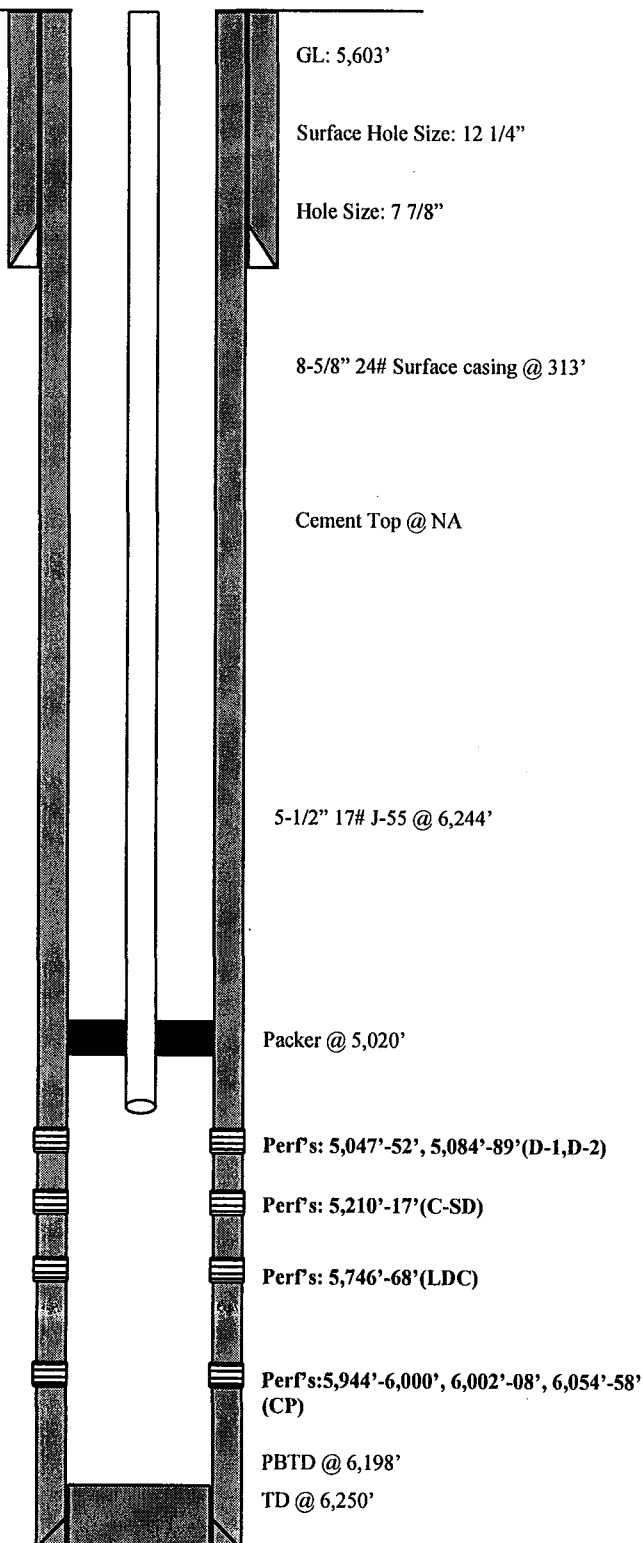
API #43-013-31518; Lease #U-62848

## Monument Butte Federal #3-34

Proposed Injection Diagram

## Well History:

10-10-95	Spud Well
12-6-95	Perf: 5,994'-6,000', 6,002'-6,008', 6,054'-6,058'
12-7-95	Frac CP zone as follows: Totals 775 bbls Boragel 111,300# 20/40 sd ISIP 2,017, after 5 min 1,935
12-8-95	Perf: 5,746'-5,768'
12-9-95	Frac LDC zone as follows: Totals 592 bbls Boragel 79,100# 20/40 sd Avg TP 2,200 @ 31 BPM ISIP 2,489, after 5 min 2,340
12-10-95	Perf: 5,210'-5,217'
12-12-95	Frac C zone as follows: Totals 424 bbls Boragel 47,600# 20/40 sd Avg TP 1,950 @ 20 BPM ISIP 2,484, after 5 min 2,441
12-13-95	Perf: 5,047'-5,052', 5,084'-5,089'
12-14-95	Frac D zone as follows: Totals 551 bbls Boragel 64,700# 20/40 sd Avg TP 2,220 @ 31 BPM ISIP 2,615, after 5 min 2,747



Inland Resources Inc.

Monument Butte Federal #3-34

1980 FWL 660 FNL

SWNW Section 34-T8S-R16E

Duchesne Co, Utah

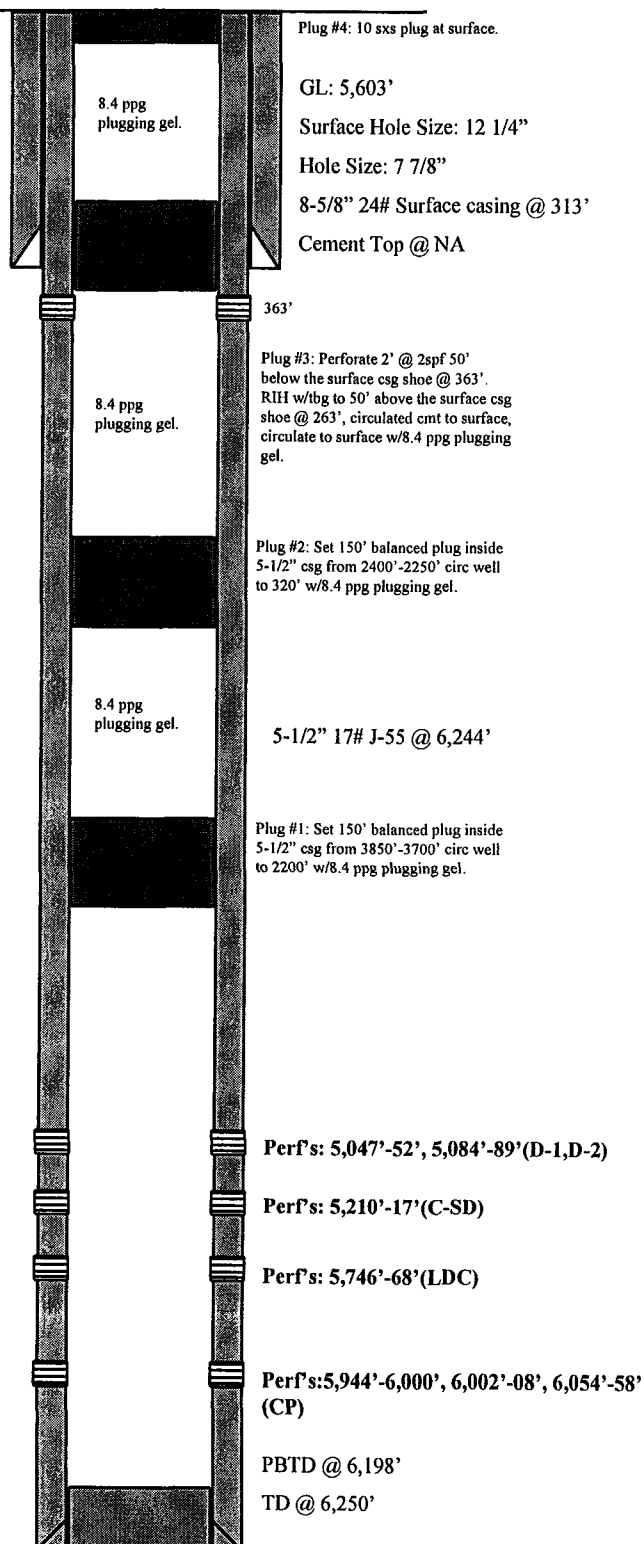
API #43-013-31518; Lease #U-62848

## Monument Butte Federal #3-34

Proposed Plugging Diagram

## Well History:

10-10-95	Spud Well
12-6-95	Perf: 5,994'-6,000', 6,002'-6,008', 6,054'-6,058'
12-7-95	Frac CP zone as follows: Totals 775 bbls Boragel 111,300# 20/40 sd ISIP 2,017, after 5 min 1,935
12-8-95	Perf: 5,746'-5,768'
12-9-95	Frac LDC zone as follows: Totals 592 bbls Boragel 79,100# 20/40 sd Avg TP 2,200 @ 31 BPM ISIP 2,489, after 5 min 2,340
12-10-95	Perf: 5,210'-5,217'
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12-13-95	Perf: 5,047'-5,052', 5,084'-5,089'
12-14-95	Frac D zone as follows: Totals 551 bbls Boragel 64,700# 20/40 sd Avg TP 2,220 @ 31 BPM ISIP 2,615, after 5 min 2,747



Inland Resources Inc.

Monument Butte Federal #3-34

1980 FWL 660 FNL

SWNW Section 34-T8S-R16E

Duchesne Co, Utah

API #43-013-31518; Lease #U-62848

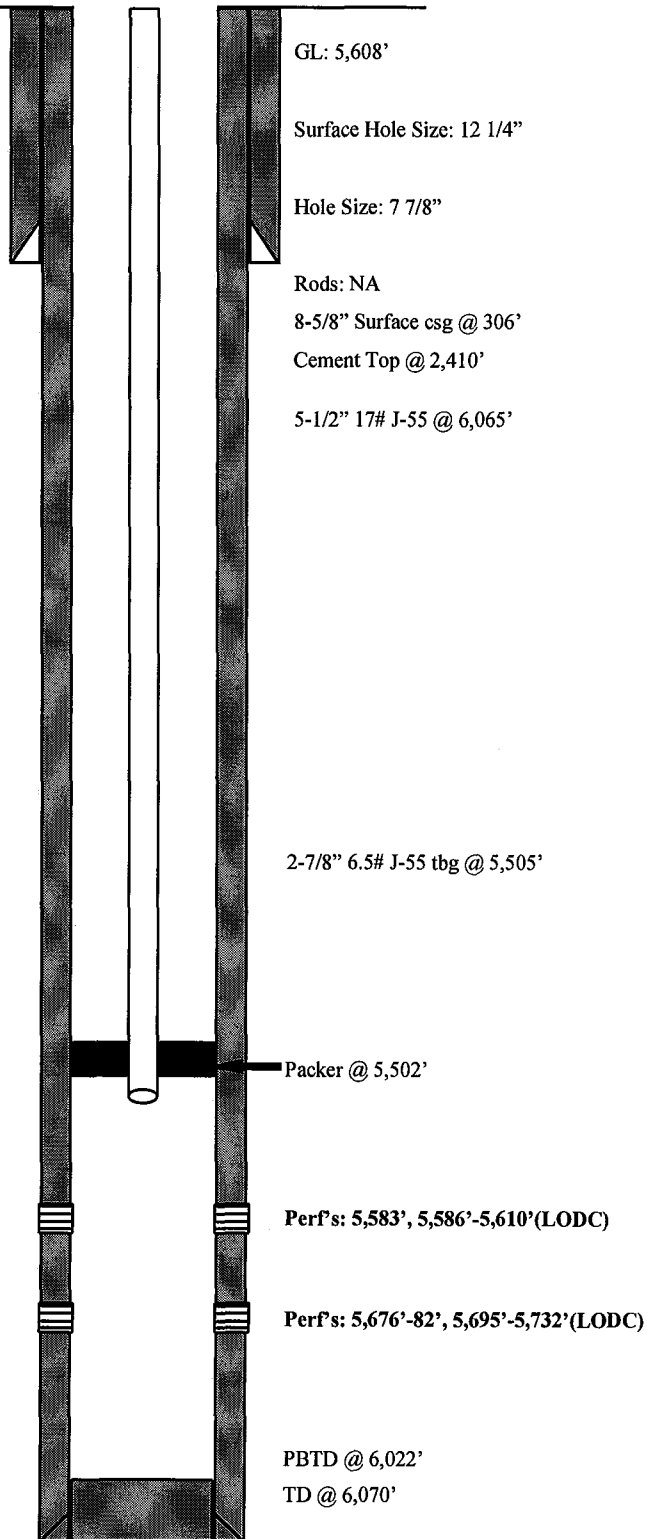
## Travis Federal #15-28

## Injection Well

## Wellbore Diagram

## Well History:

8-19-83	Spud Well
9-15-83	Perf: 5,583', 5,590', 5,593'-5,601' 5,604'-5,609', 5,676'-5,682' 5,695'-5,731'
9-20-83	Frac LODC zone as follows: Totals, 84,640 gals, 303,120# 20/40sd Max TP 3,500 @ 60 BPM Avg TP 2,800 @ 60 BPM ISIP 1900, after 5 min 1,810
12-20-91	Convert To a Water Injector



Inland Resources Inc.

Travis Federal #15-28

2058 FEL 595 FSL

SWSE Section 28-T8S-R16E

Duchesne Co, Utah

API #43-013-30779; Lease #U-26026A

## Travis Federal Unit #16-28

Spud Date: 7/31/96  
Put on Production: 10/3/96  
GL: 5592' KB: 5605'

Initial Production: 83 BOPD,  
212 MCFPD, 4 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 295.23' (7 jts.)  
DEPTH LANDED: 293.63' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 7 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 146 jts. (6204.94')  
DEPTH LANDED: 6200.94'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 370 sk Hybond mixed & 380 sxs thixotropic  
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 197 jts (?)  
TUBING ANCHOR: 5613'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: ? (EOT @ 5898')  
SN LANDED AT: 5647'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished  
SUCKER RODS: 4-3/4" scraped, 117-3/4" plain rods, 96-3/4" scraped  
TOTAL ROD STRING LENGTH: ?  
PUMP NUMBER: ?  
PUMP SIZE: 1-1/2" RHAC pump  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 7 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

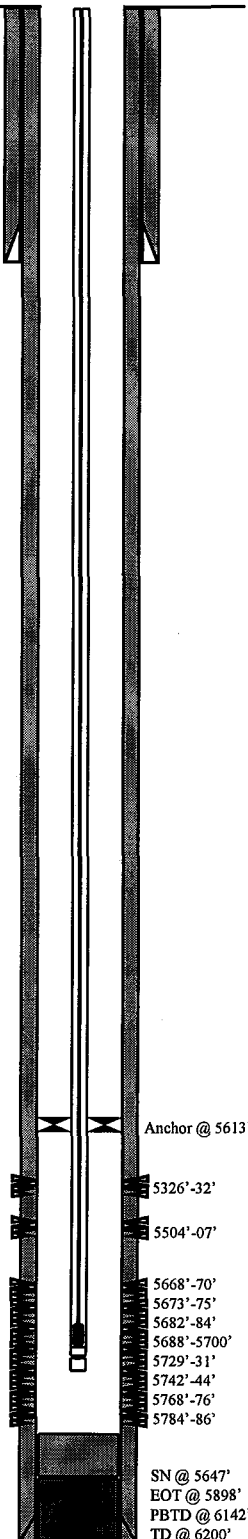
9/25/96 5668'-5786' **Frac LODC sand as follows:**  
110,300# of 20/40 sand in 586 bbls of Boragel. Breakdown @ 2600 psi. Treated @ avg rate of 41.5 bpm w/avg press of 2900 psi. ISIP-3312 psi, 5-min 3227 psi. Flowback on 12/64" ck for 5 hours and died.

9/27/96 5504'-5507' **Frac A-3 sand as follows:**  
61,300# of 20/40 sand in 403 bbls of Boragel. Breakdown @ 2957 psi. Treated @ avg rate of 18.5 bpm w/avg press of 2800 psi. ISIP-2862 psi, 5-min 2611 psi. Flowback on 12/64" ck for 3 hours and died.

9/30/96 5326'-5332' **Frac B-2 sand as follows:**  
62,300# of 20/40 sand in 407 bbls of Boragel. Breakdown @ 3220 psi. Treated @ avg rate of 18.8 bpm w/avg press of 2450 psi. ISIP-2866 psi, 5-min 2785 psi. Flowback on 12/64" ck for 2-1/2 hours and died.

PERFORATION RECORD

9/24/96	5668'-5670'	4 JSPF	8 holes
9/24/96	5673'-5675'	4 JSPF	8 holes
9/24/96	5682'-5684'	4 JSPF	8 holes
9/24/96	5688'-5700'	2 JSPF	10 holes
9/24/96	5729'-5731'	4 JSPF	8 holes
9/24/96	5742'-5744'	4 JSPF	8 holes
9/24/96	5768'-5776'	2 JSPF	16 holes
9/24/96	5784'-5786'	4 JSPF	8 holes
9/26/96	5504'-5507'	4 JSPF	12 holes
9/28/96	5326'-5332'	4 JSPF	24 holes



Inland Resources Inc.

Travis Federal Unit #16-28

363 FSL 436 FEL

SESE Section 28-T8S-R16E

Duchesne Co, Utah

API #43-013-31590; Lease #U-26026A

# UNICHEM

A Division of BJ Services

EXHIBIT "F-1"

P.O. Box 217  
Roosevelt, Utah 84066

Office (801) 722-5066  
Fax (801) 722-5727

## WATER ANALYSIS REPORT

Company INLAND Address \_\_\_\_\_ Date 02-04-97  
Source MBF 13-27 Date Sampled 01-30-97 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l
1. PH	8.9		
2. H <sub>2</sub> S (Qualitative)	0		
3. Specific Gravity	1.010		
4. Dissolved Solids		19,218	
5. Alkalinity (CaCO <sub>3</sub> )		30	
6. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub>	1,150	÷ 61 19 HCO <sub>3</sub>
7. Chlorides (Cl)	Cl	10,600	÷ 35.5 299 Cl
8. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub>	100	÷ 48 2 SO <sub>4</sub>
9. Calcium (Ca)	Ca	4	÷ 20 0 Ca
10. Magnesium (Mg)	Mg	2	÷ 12.2 0 Mg
11. Total Hardness (CaCO <sub>3</sub> )		20	
12. Total Iron (Fe)		0.5	
13. Manganese			
14. Barium (Qualitative)			
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION

0	Ca	←	HCO <sub>3</sub>	19
0	Mg	←	SO <sub>4</sub>	2
320	Na	←	Cl	299

#### Saturation Values

CaCO<sub>3</sub>

CaSO<sub>4</sub> · 2H<sub>2</sub>O

MgCO<sub>3</sub>

#### Distilled Water 20°C

13 Mg/l

2,090 Mg/l

103 Mg/l

Compound	Equiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04				
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17				
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00		19		1,596
Na <sub>2</sub> SO <sub>4</sub>	71.03		2		142
NaCl	58.46		299		17,480

REMARKS \_\_\_\_\_

## AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND  
 LOCATION:  
 SYSTEM:

02-05-97

WATER DESCRIPTION: MBF 13-27

	INPUT ANALYSIS	VALUES USED IN CALCULATIONS
P-ALK AS PPM CaCO <sub>3</sub>	30	30
M-ALK AS PPM CaCO <sub>3</sub>	1150	1150
SULFATE AS PPM SO <sub>4</sub>	100	100
CHLORIDE AS PPM Cl	10600	10600
HARDNESS AS PPM CaCO <sub>3</sub>	20	20
CALCIUM AS PPM CaCO <sub>3</sub>	4	4
MAGNESIUM AS PPM CaCO <sub>3</sub>	2	2
SODIUM AS PPM Na	7360	7360
BARIUM AS PPM Ba	0	
STRONTIUM AS PPM Sr	0	
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	19218	18752
TEMP (DEG-F)	100	
SYSTEM pH	8.9	
pH		8.9

## RESULTS:

IONIC STRENGTH-MOLAL	.318
SPECIFIC GRAVITY (EST. VALUE)	1.01
TOTAL DISSOLVED SOLIDS-PPM (EST. VALUE)	18752

## SCALING PREDICTIONS OVER A RANGE OF TEMPERATURES:

DEG-F	STIFF DAVIS CaCO <sub>3</sub> INDEX	lbs/1000 BBL EXCESS CaCO <sub>3</sub>	mg/l BaSO <sub>4</sub> IN EXCESS OF SATURATION	mg/l SrO <sub>4</sub> IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
80	-.39	0	0	0	0
100	-.13	0	0	0	0
120	.14	0	0	0	0
140	.47	0	0	0	0
160	.76	1	0	0	0
180	1.15	1	0	0	0
200	1.55	1	0	0	0



## AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND  
 LOCATION:  
 SYSTEM:

02-05-97

WATER DESCRIPTION:	MONUMENT BUTTE IN	MBF 13-27
P-ALK AS PPM CaCO <sub>3</sub>	0	30
M-ALK AS PPM CaCO <sub>3</sub>	450	1150
SULFATE AS PPM SO <sub>4</sub>	50	100
CHLORIDE AS PPM Cl	350	10600
HARDNESS AS PPM CaCO <sub>3</sub>	140	20
CALCIUM AS PPM CaCO <sub>3</sub>	40	4
MAGNESIUM AS PPM CaCO <sub>3</sub>	10	2
SODIUM AS PPM Na	345	7360
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	1227	19218
TEMP (DEG-F)	100	100
SYSTEM pH	7.2	8.9

WATER COMPATIBILITY CALCULATIONS  
 MONUMENT BUTTE IN AND MBF 13-27  
 CONDITIONS: TEMP.=100AND pH=8.1  
 WATER ONE IS MONUMENT BUTTE IN

% OF WATER # 1	STIFF DAVIS CaCO <sub>3</sub> INDEX	lbs/1000 BBL EXCESS CaCO <sub>3</sub>	mg/l BaSO <sub>4</sub> IN EXCESS OF SATURATION	mg/l SrO <sub>4</sub> IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	.36	7	0	0	0
90	.29	5	0	0	0
80	.20	4	0	0	0
70	.11	2	0	0	0
60	0	0	0	0	0
50	-.12	0	0	0	0
40	-.26	0	0	0	0
30	-.37	0	0	0	0
20	-.50	0	0	0	0
10	-.69	0	0	0	0
0	-.98	0	0	0	0

## AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND  
 LOCATION:  
 SYSTEM:

02-05-97

WATER DESCRIPTION:	BOUNDARY INJECTIO	MBF 13-27
P-ALK AS PPM CaCO <sub>3</sub>	0	30
M-ALK AS PPM CaCO <sub>3</sub>	400	1150
SULFATE AS PPM SO <sub>4</sub>	40	100
CHLORIDE AS PPM Cl	530	10600
HARDNESS AS PPM CaCO <sub>3</sub>	180	20
CALCIUM AS PPM CaCO <sub>3</sub>	64	4
MAGNESIUM AS PPM CaCO <sub>3</sub>	5	2
SODIUM AS PPM Na	19	7360
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	1443	19218
TEMP (DEG-F)	100	100
SYSTEM pH	7.6	8.9

WATER COMPATIBILITY CALCULATIONS  
 BOUNDARY INJECTIO AND MBF 13-27  
 CONDITIONS: TEMP.=100AND pH=8.3  
 WATER ONE IS BOUNDARY INJECTIO

% OF WATER # 1	STIFF DAVIS CaCO <sub>3</sub> INDEX	lbs/1000 BBL EXCESS CaCO <sub>3</sub>	mg/l BaSO <sub>4</sub> IN EXCESS OF SATURATION	mg/l SrO <sub>4</sub> IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	.73	17	0	0	0
90	.66	15	0	0	0
80	.59	13	0	0	0
70	.49	10	0	0	0
60	.38	7	0	0	0
50	.26	5	0	0	0
40	.12	2	0	0	0
30	0	0	0	0	0
20	-.15	0	0	0	0
10	-.37	0	0	0	0
0	-.78	0	0	0	0



## EXECUTIVE SUMMARY

On November 25, 1996 zone III of the Monument Buttes 13-27 well was stimulated with the following:

Formation-	B-2 Sand
Perfs-	5,381-5,385 Ft
Avg. Rate-	20.5 BPM
Avg. Surf. Press.-	2,450 psi
Total Sand -	74,400 LB (20/40 Ottawa)
Total Fluid-	453.2 BBL
Max. Concentration-	10 PPG

The job went as per design with no fluid, equipment or electrical problems. The zone initially broke at 3,214 psi decreased to 2,500 psi then increased to 3,770 psi at which time the rate was slowed and the zone was broke down again. After the second breakdown the pressure decreased to 1,950 psi then increased through flush. A real-time 3-D fracturing model (Fracpro) was run during the job and a good pressure match was obtained and predicted the following:

Propped Height.-	194 ft.
Propped Length-	.98 ft.
Frac Grad.-	0.63 psi/ft
Conductivity-	3500 md-ft

Overview of job showed good frac with average permeability and porosity. Net pressure increased 900 psi during the job which would indicate excellent proppant placement in fracture. With the average permeability and good proppant placement, the zone should be above average. If you have any questions about the job or any thing else please call me at 1(800)874-2550.

Thank You,

A handwritten signature in black ink, appearing to read 'Chip Koerner'.

Chip Koerner  
Wellsite II Engineer

HALLIBURTON

Well No. 13-27

Lease MONUMENT BL. 13

Job Id 002850100644

ENERGY SERVICES

Customer INLAND PRODUCTION COMPANY

Date 11-25-96

## JOB SUMMARY

Job Type FRAC JOBS

Operator CURTIS/GUINN

## Job Information

CONTRACTOR: BASIN WELL SERVICES  
 JOB PURPOSE: 08 FRAC JOBS  
 JOB DESCRIPTION: BORAGEL G-3530-19.5  
 PERFORMED THRU:  
 CALLED OUT: 11-25-96 04:30  
 IN LOCATION: 11-25-96 07:00  
 STARTED: 11-25-96 09:39  
 COMPLETED: 11-25-96 10:27

## Well Information

OWNER NAME:	INLAND PRODUCTION CO	WELL CATEGORY:	001 Development
WELL TYPE:	001 oil	MUD WEIGHT:	
WELL TYPE:		BOT HOLE PSI:	3000
WELL TYPE:		PBTD:	6150
WELL TYPE:			

## Pressures in PSI

AVERAGE:	2450	MAXIMUM:	3770
BREAKDOWN:	3214		
LUSH:	3110	FRAC GRADIENT:	.96
SIP:	2817	5-MIN:	2650
0-MIN:		15-MIN:	

## Volumes

PREPAD:	0.00	GAL	PREPAD TYPE:		
LOAD & BKDN:	4760	GAL	TREATMENT:	10744	GAL
LUSH:	5311	GAL			
PAD:	3000	GAL			
WAS ASSIST:		TON	TYPE:		AT: SC
W/BBL					
FOAM QUALITY:		%	TOTAL VOL FOAM	0.00	GAL
TOTAL VOLUME:	19055	GAL			

## Hydraulic Horsepower

ORDERED:	2000	AVAILABLE:	2000	USED:	1273
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## Average Rates in BPM

REATING:	20.5	FLUSH:	20.1	OVERALL:	20.5
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## EXECUTIVE SUMMARY

On November 27, 1996 zone IV of the Monument Buttes 13-27 well was stimulated with the following:

Formation-	D Sand
Perfs-	5,072-5,168 Ft
Avg. Rate-	22 BPM
Avg. Surf. Press.-	1,950 psi
Total Sand -	96,200 LB (20/40 Ottawa)
Total Fluid-	531.6 BBL
Max. Concentration-	10 PPG

The job went as per design with no fluid, equipment or electrical problems. The zone broke at 2,380 psi decreased to 1,920 psi then maintained that pressure until flush. A real-time 3-D fracturing model (Fracpro) was run during the job and a good pressure match was obtained showing multiple fractures were initiated and predicted the following:

Propped Height.-	176 ft.
Propped Length-	91 ft.
Frac Grad.-	0.58 psi/ft
Conductivity-	3000 md-ft

Overview of job showed good frac with average permeability and porosity. Net pressure increased 700 psi during the job which would indicate excellent proppant placement in fracture. With the average permeability and good proppant placement, the zone should be above average. Closure was observed shortly after shutdown. If you have any questions about the job or any thing else please call me at 1(800)874-2550.

Thank You,

A handwritten signature in black ink, appearing to read 'Chip Koerner'.

Chip Koerner  
Wellsite II Engineer

<b>HALLIBURTON</b>	Well No.	13-27	Lease	MONUMENT BUTTES FEDERAL	Job Id	002850100648
ENERGY SERVICES	Customer	INLAND PRODUCTION COMPANY			Date	11-27-96
<b>J B SUMMARY</b>	Job Type	FRAC JOBS			Operator	GUINN/CURTIS

**Job Information**

CONTRACTOR: BASIN WELL SERVICES  
 JOB PURPOSE: 08 FRAC JOBS  
 JOB DESCRIPTION: BORA GEL G3519.5 - G3019.5  
 PERFORMED THRU:  
 CALLED OUT: 11-27-96 04:00  
 ON LOCATION: 11-27-96 11:30  
 STARTED: 11-27-96 13:52  
 COMPLETED: 11-27-96 14:23

**Well Information**

OWNER NAME:	INLAND PRODUCTION CO		
WELL TYPE:	001 Oil	WELL CATEGORY:	001 Development
MUD TYPE:		MUD WEIGHT:	
BOT HOLE TEMP:	100	BOT HOLE PSI:	2000
TOTAL DEPTH:	6190	PBTD:	6150

**Pressures in PSI**

AVERAGE:	1950	MAXIMUM:	2680
BR DOWN:	2380		
FLUSH:	2100	FRAC GRADIENT:	.90
SIP:	2402	5-MIN:	2199
10-MIN:	2064	15-MIN:	1912

**Volumes**

PREPAD:		GAL	PREPAD TYPE:		
LOAD & BKDN:	4500	GAL	TREATMENT:	13833	GAL
FLUSH:	4996	GAL			
PAD:	3500	GAL			
GAS ASSIST:		TON	TYPE:		AT: SC
F/BBL					
FOAM QUALITY:		%	TOTAL VOL FOAM		GAL
TOTAL VOLUME:	22329	GAL			

**Hydraulic Horsepower**

ORDERED:	3000	AVAILABLE:	3000	USED:	1195
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**Average Rates in BPM**

TREATING:	22.0	FLUSH:	21.5	OVERALL:	22.0
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## EXECUTIVE SUMMARY

On November 22, 1996 zone II of the Monument Buttes 13-27 well was stimulated with the following:

Formation-	A Sand
Perfs-	5,523-5,564 Ft
Avg. Rate-	23 BPM
Avg. Surf. Press.-	2,400 psi
Total Sand-	81,900 LB (20/40 Ottawa)
Total Fluid-	482.7 BBL
Max. Prop. Con.	10 PPG

The job went as per design with no fluid, equipment or electrical problems. The zone broke at 2,560 psi decreased to 2,050 psi then increased as sand hit the pers and through and flush. A real-time 3-D fracturing model (Fracpro) was run during the job and a good match was obtain showing multiple fractures were initiated and predicting the following:

Propped Height.-	151 ft.
Propped Length-	73 ft.
Frac Grad.-	0.61
Conductivity-	3000 md-ft

Overview of job showed an average frac with average permeability. With the net pressure increase of 1,800 psi, the zone should have excellent proppant placement. With the average permeability and the average frac gradient the zone should be average. If you have any questions about the job or any thing else please call me at 1(800)874-2550.

Thank You,

A handwritten signature in black ink, appearing to read 'Chip Koerner'.

Chip Koerner  
Wellsite II Engineer

## HALLIBURTON

Well No. 13-27 Lease MONUMENT BUTTES

Job Id 0028501006

## ENERGY SERVICES

Customer INLAND PRODUCTION COMPANY

Date 11-22-96

## JOB SUMMARY

Job Type FRAC JOBS

Operator CURTIS/BOW

## Job Information

CONTRACTOR: BASIN WELL SERVICES  
 JOB PURPOSE: 08 FRAC JOBS  
 JOB DESCRIPTION: BORA GEL G4519.5-G3019.5  
 PERFORMED THRU:  
 CALLED OUT: 11-22-96 04:00  
 ON LOCATION: 11-22-96 07:00  
 STARTED: 11-22-96 09:47  
 COMPLETED: 11-22-96 10:13

## Well Information

OWNER NAME:	INLAND PRODUCTION CO		
WELL TYPE:	001 Oil	WELL CATEGORY:	001 Development
MUD TYPE:		MUD WEIGHT:	
BOT HOLE TEMP:	135	BOT HOLE PSI:	2500
TOTAL DEPTH:	6200	PBTD:	6150

## Pressures in PSI

AVERAGE:	2400	MAXIMUM:	4025
BREAKDOWN:	2526		
FLUSH:	3900	FRAC GRADIENT:	1.14
ISIP:	3917	5-MIN:	3442
10-MIN:	1540	15-MIN:	1531

## Volumes

PREPAD:		GAL	PREPAD TYPE:		
LOAD & BKDN:	4642	GAL	TREATMENT:	11837	GAL
FLUSH:	5438	GAL			
PAD:	3000	GAL			
GAS ASSIST:		TON	TYPE:		AT: SC
FOAM QUALITY:		%	TOTAL VOL FOAM		GAL
TOTAL VOLUME:	20275	GAL			

## Hydraulic Horsepower

ORDERED:	2000	AVAILABLE:	2000	USED:	1618
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## Average Rates in BPM

TREATING:	23	FLUSH:	3	OVERALL:	23
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## EXECUTIVE SUMMARY

On November 20, 1996 zone I of the **Monument Buttes 13-27** well was stimulated with the following:

Formation-	Lower Douglas Creek Sand
Perfs-	5,766-5,868 Ft
Avg. Rate-	35.2 BPM
Avg. Surf. Press.-	2,700 psi
Total Sand-	107,800 LB (20/40 Ottawa)
Total Fluid-	599.6 BBL
Max. Prop. Con.	10 PPG

The job went as per design with no fluid, equipment or electrical problems. The zone broke at 3,180 psi decreased to 2,450 psi then increased through flush. The proppant concentration shown in the van was off the downhole densometer instead of the blender densometer as there was a communication problem inside the van with the blender densometer. A real-time 3-D fracturing model (Fracpro) was run during the job and a good match was obtain showing multiple fractures were initiated and predicting the following:

Propped Height.-	158 ft.
Propped Length-	91 ft.
Frac Grad.-	0.73
Conductivity-	2500 md-ft

Overview of job showed an average frac with average permeability. With the net pressure increase of 700 psi, the zone should have excellent proppant placement. With the average permeability and the above average frac gradient the zone should be average. If you have any questions about the job or any thing else please call me at 1(800)874-2550.

Thank You,

A handwritten signature in black ink, appearing to read 'Chip Koerner'.

Chip Koerner  
Wellsite II Engineer

## HALLIBURTON

Well No. 13-27 Lease MONUMENT BUTTES

Job Id 0028501006

## ENERGY SERVICES

Customer INLAND PRODUCTION COMPANY

Date 11-20-96

## JOB SUMMARY

Job Type FRAC JOBS

Operator MORRIS/BOW

## Job Information

CONTRACTOR: BASIN WELL SERVICE  
 JOB PURPOSE: 08 FRAC JOBS  
 JOB DESCRIPTION: BORAGEL 35/30 #670  
 PERFORMED THRU:  
 CALLED OUT: 11-20-96 4:00  
 ON LOCATION: 11-20-96 06:30  
 STARTED: 11-20-96 09:42  
 COMPLETED: 11-20-96 10:06

## Well Information

OWNER NAME:  
 WELL TYPE: GAS WELL CATEGORY: EVQ  
 MUD TYPE: MUD WEIGHT:  
 BOT HOLE TEMP: 145 BOT HOLE PSI: 3600  
 TOTAL DEPTH: 6119 PBTD: 6150

## Pressures in PSI

AVERAGE: 2760 MAXIMUM: 3500  
 BREAKDOWN: 3180  
 FLUSH: 3200 FRAC GRADIENT: .97  
 ISIP: 3137 5-MIN: 3039  
 10-MIN: 2647 15-MIN: 2489

## Volumes

PREPAD: BBL PREPAD TYPE:  
 LOAD & BKDN: 0.00 GAL TREATMENT: 16004 GAL  
 FLUSH: 5679 GAL  
 PAD: 3500 GAL  
 GAS ASSIST: TON TYPE:  
 FOAM QUALITY: % TOTAL VOL FOAM 0.00 AT: SC  
 TOTAL VOLUME: 25184 GAL

## Hydraulic Horsepower

ORDERED: 4000 AVAILABLE: 4000 USED: 3019

## Average Rates in BPM

TREATING: 35.2 FLUSH: 36.2 OVERALL: 35.2



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

October 6, 1997

Inland Production Company  
P. O. Box 1446  
Roosevelt, Utah 84066

Re: MBF 13-27, MBF 3-34 and MBF 5-34, Section 27 and 34, Township 8 South, Range 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. Conduct a pressure test for mechanical integrity prior to injection.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

John R. Baza  
Associate Director, Oil and Gas

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Cheryl Cameron, Inland, Vernal



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
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Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-189 *213-2A*

**Operator:** Inland Production Company

**Wells:** Monument Butte Federal 13-27

**Location:** Section 27, Township 8 South, Range 16 East,  
County: Duchesne

**API No.:** 43-013-31611

**Well Type:** Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued by the Board of Oil, Gas and Mining on August 29, 1997 (cause number 213-2A).
2. Maximum Allowable Injection Pressure: 2181 psig.
3. Maximum Allowable Injection Rate: (restricted by pressure limitation).
4. Injection Interval: 5078 feet to 5862 feet (Green River Formation).

Approved by:

*John R. Baza*  
John R. Baza

Associate Director, Oil and Gas

*10/6/97*

Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-62848**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**MONUMENT BUTTE FEDERAL 13-27**

9. API Well No.

**43-013-31611**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**0619 FSL 0685 FWL SW/SW Section 27, T08S R16E**

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

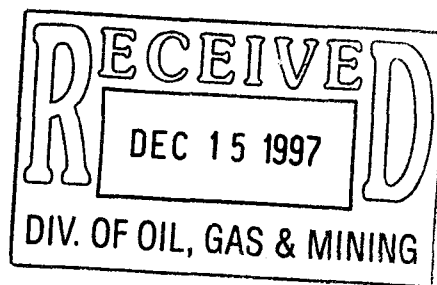
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **On injection**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☒ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The Monument Butte Federal #13-27 location was placed on injection on 11/14/97. Please refer to the attached csg integrity tests, and copies of the charts.



14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

12/10/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious

or fraudulent statements or representations as to any matter within its jurisdiction.

*NO tax credit 10/98*

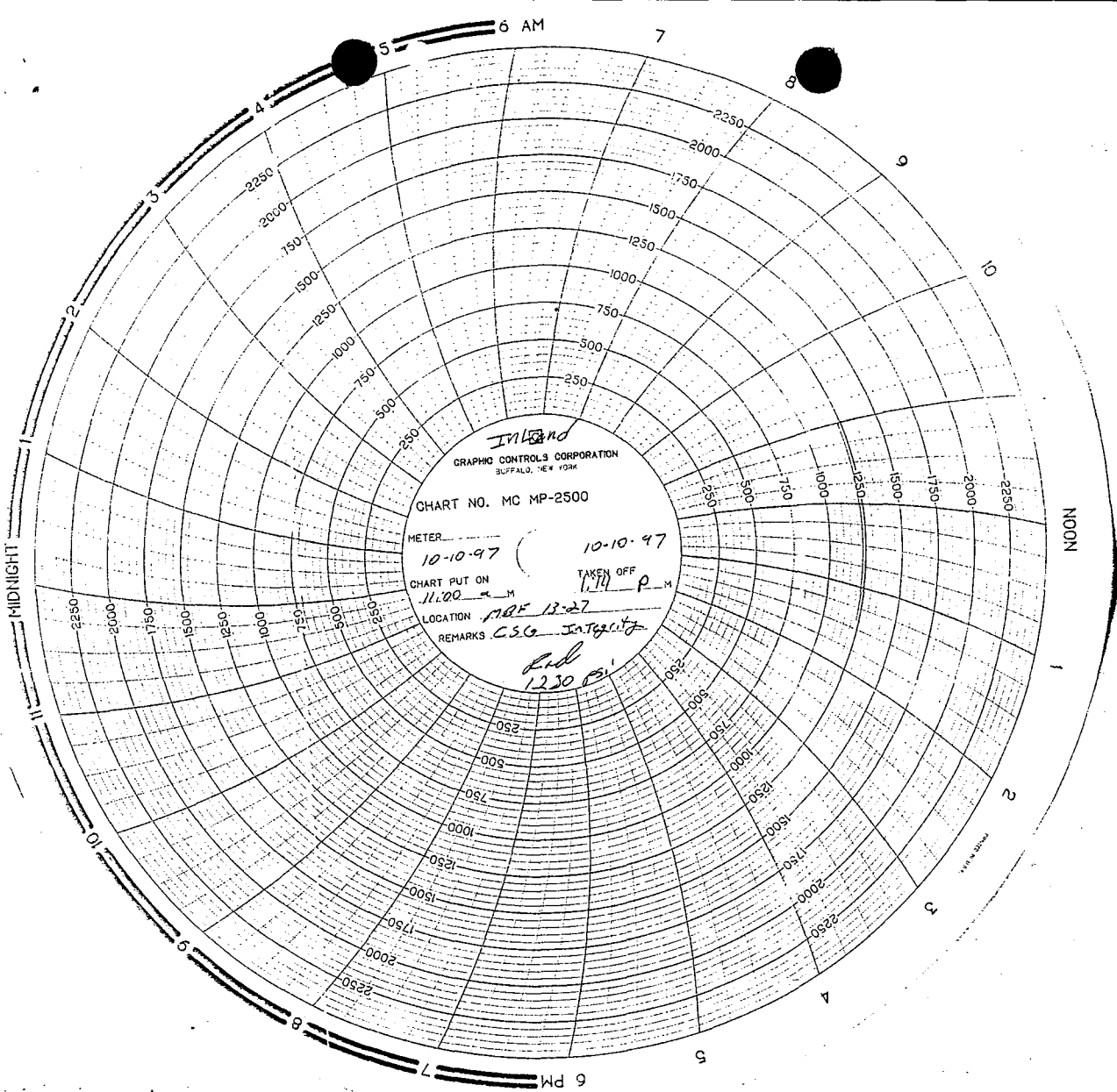
## **CASING INTEGRITY TEST**

**MONUMENT BUTTE FEDERAL #13-27  
SW/SW SEC. 27, T8S, R16E  
DUCHESNE COUNTY, UTAH**

0 MIN	1225 PSIG
10 MIN	1225 PSIG
20 MIN	1225 PSIG
30 MIN	1225 PSIG
40 MIN	1225 PSIG
50 MIN	1225 PSIG
60 MIN	1225 PSIG
70 MIN	1225 PSIG
80 MIN	1225 PSIG
90 MIN	1225 PSIG
100 MIN	1225 PSIG
120 MIN	1225 PSIG

**TUBING PRESSURE 1230 PSI**

**TEST CONDUCTED BY RODDIE BIRD/INLAND PRODUCTION COMPANY ON 10/10/97  
CONTACTED DOGM AND BLM PRIOR TO TEST  
NO REPRESENTATIVE PRESENT PER THEIR REQUEST**



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <b>U-62848</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  <b>N/A</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Rt. 3 Box 3630, Myton Utah 84052</b> <b>435-646-3721</b>		<b>7. UNIT AGREEMENT NAME</b>  <b>TRAVIS</b>	
<b>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*</b> See also space 17 below.) At surface <b>SW/SW Section 27, T8S R16E</b> <b>0619 FSL 0685 FWL</b>		<b>8. FARM OR LEASE NAME</b> <b>MON BUTTE FED 13-27</b>	
<b>14 API NUMBER</b> <b>43-013-31611</b>		<b>9. WELL NO.</b> <b>MON BUTTE FED 13-27</b>	
<b>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</b> <b>5617 GR</b>		<b>10. FIELD AND POOL, OR WILDCAT</b>  <b>MONUMENT BUTTE</b>	
<b>12. COUNTY OR PARISH</b> <b>DUCHESNE</b>		<b>13. STATE</b> <b>UT</b>	

**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>
ABANDON* <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> <b>5 Year MIT</b>
(OTHER) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

**17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

A 5 year MIT was conducted on the subject well. On 9/24/02 Mr. Dennis Ingram w/ State DOGM was contacted and set up a time to conduct the MIT on the casing. On 9/24/02 the casing was pressured to 1160 psi w/ no pressure loss charted in the 1/2 hour test. No Governmental agencies were able to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** 10-01-02  
**By:** [Signature]

**CONSENT TO OPERATOR**  
 Date: 10-2-02  
 Initials: CHD

**18 I hereby certify that the foregoing is true and correct**

SIGNED <u>Krishna Russell</u>	TITLE <u>Production Clerk</u>	DATE <u>9/26/2002</u>
Krishna Russell		

cc: BLM

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 9 / 24 / 02 Time 11:00 am pm

Test Conducted by: BRET HENRIE

Others Present: \_\_\_\_\_

Well: MONUMENT BUTTE FEDERAL 13-27-8-16

Field: TRA015

Well Location: SW/SW Sec. 27, T8S, R16E

API No: 43-013-31611

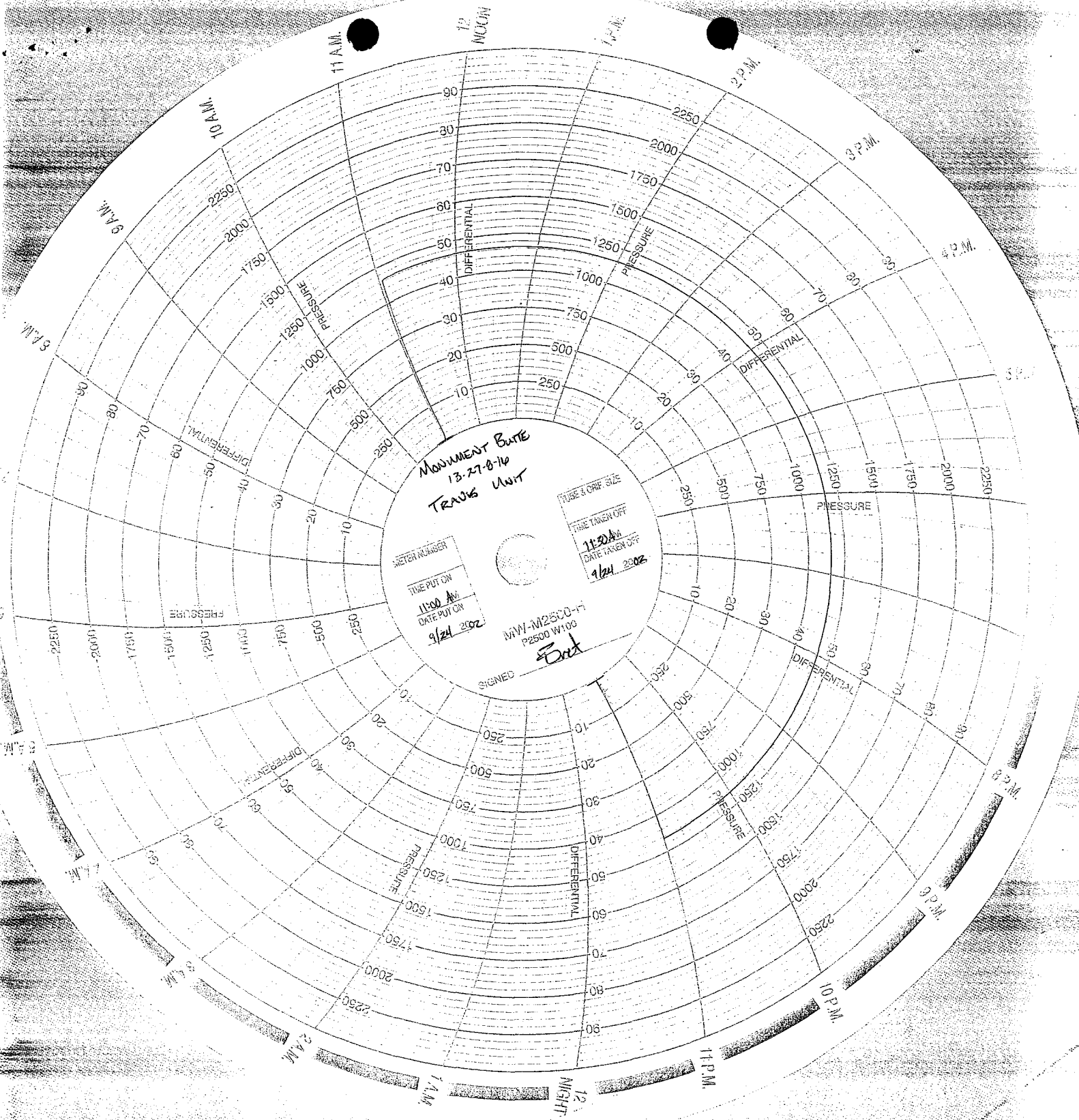
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1160</u>	psig
5	<u>1160</u>	psig
10	<u>1160</u>	psig
15	<u>1160</u>	psig
20	<u>1160</u>	psig
25	<u>1160</u>	psig
30 min	<u>1160</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1800 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Bret Henrie



MONUMENT BATE  
13.27-8-10  
TRAUG UNIT

METER NUMBER  
TIME PUT ON  
11:00 AM  
DATE PUT ON  
9/24/2002

MW-M2500-11  
P2500 W100

SIGNED

Ent

PULSE & ORF SIZE  
TIME TAKEN OFF  
11:30 AM  
DATE TAKEN OFF  
9/24/2002



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

## TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

## CURRENT OPERATOR

Company: Inland Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: (303) 893-0102  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

## NEW OPERATOR

Company: Newfield Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: \_\_\_\_\_  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Hunt*  
Title: *Tech. Services Manager*

Approval Date: 9-20-04Comments: Note: Indian Country wells will require EPA approval.RECEIVED  
SEP 20 2004  
DIV. OF OIL, GAS & MINING

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004****FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: ( New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****TRAVIS****WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MON BUTTE FED 13-27	27	080S	160E	4301331611	10628	Federal	WI	A
MONUMENT BUTTE FED 15-27-8-16	27	080S	160E	4301331786	10628	Federal	OW	DRL
MONUMENT BUTTE FED 16-27	27	080S	160E	4301331899	10628	Federal	OW	P
FEDERAL 15-28	28	080S	160E	4301330779	10628	Federal	WI	A
FEDERAL 14-28	28	080S	160E	4301330792	10628	Federal	OW	S
WEST MONUMENT 10-28	28	080S	160E	4301330856	10628	Federal	OW	S
FEDERAL 14A-28	28	080S	160E	4301331372	10628	Federal	WI	A
TRAVIS FEDERAL 16-28	28	080S	160E	4301331590	10628	Federal	OW	P
TRAVIS FED 9-28	28	080S	160E	4301331941	10628	Federal	WI	A
TRAVIS 11-28-8-16	28	080S	160E	4301332333		Federal	OW	LA
TRAVIS 12-28-8-16	28	080S	160E	4301332334		Federal	OW	LA
TRAVIS 13-28-8-16	28	080S	160E	4301332335		Federal	OW	LA
FEDERAL 3-33	33	080S	160E	4301330693	10628	Federal	WI	A
FEDERAL 6-33	33	080S	160E	4301330747	10628	Federal	OW	P
FEDERAL 2-33	33	080S	160E	4301330749	10628	Federal	OW	P
TRAVIS FED 5-33	33	080S	160E	4301331435	10628	Federal	WI	A
TRAVIS FEDERAL 8-33	33	080S	160E	4301331503	10628	Federal	OW	P
TRAVIS FED 1-33	33	080S	160E	4301331603	10628	Federal	WI	A
MON FED 5-34	34	080S	160E	4301331499	10628	Federal	WI	A
MONUMENT BUTTE FED 6-34	34	080S	160E	4301331504	10628	Federal	OW	P
MON BUTTE FED 3-34	34	080S	160E	4301331518	10628	Federal	WI	A
MONUMENT BUTTE FED 4-34 (I)	34	080S	160E	4301331669	10628	Federal	OW	P

K

K

K

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:



6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:		5. LEASE DESIGNATION AND SERIAL NUMBER:	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>WI</u>		USA UTU-62848	
2. NAME OF OPERATOR:		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
NEWFIELD PRODUCTION COMPANY			
3. ADDRESS OF OPERATOR:		7. UNIT or CA AGREEMENT NAME:	
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		TRAVIS UNIT	
4. LOCATION OF WELL:		8. WELL NAME and NUMBER:	
FOOTAGES AT SURFACE: 619 FSL 685 FWL		MON BUTTE FED 13-27	
		9. API NUMBER:	
		4301331611	
		10. FIELD AND POOL, OR WILDCAT:	
		MONUMENT BUTTE	
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 27, T8S, R16E		COUNTY: DUCHESNE	
		STATE: UT	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

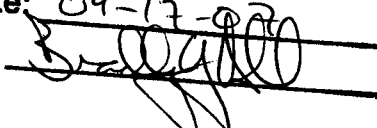
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 08/31/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 08/20/07 Dennis Ingram with the State of Utah (DOGM was contacted concerning the 5 Year MIT on the above listed well. Permission was given at that time to perform the test on 08/23/07. On 08/23/07 the casing was pressured up to 1125 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1900 psig during the test. There was a State representative available to witness the test.

(Dennis Ingram)  
API# 43-013-31611

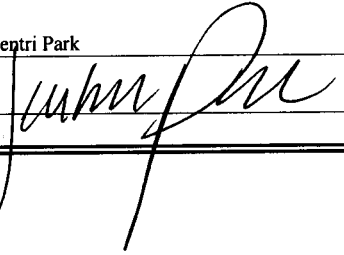
Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 09-17-07  
By: 

RECEIVED

SEP 04 2007

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk  
SIGNATURE  DATE 08/31/2007

(This space for State use only)

COPIES SENT TO OPERATOR  
9/18/07  
C/D

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 8/23/07 Time 11:30 am pm

Test Conducted by: Gordon Womack

Others Present: \_\_\_\_\_

Well: MB-13-27-8-16

Field: Monument Butte

Well Location:

API No: 4301331611

SW/SW SEC 27 T8S R16E Duchesne County, UT

## Time

## Casing Pressure

0 min	<u>1125</u>	psig
5	<u>1125</u>	psig
10	<u>1125</u>	psig
15	<u>1125</u>	psig
20	<u>1125</u>	psig
25	<u>1125</u>	psig
30 min	<u>1125</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1900 psig

Result:

Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: \_\_\_\_\_

MD-15-278-16

1130A

B-23 07

R000?

B-23 07

90

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-62848
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MON BUTTE FED 13-27
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0619 FSL 0685 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 27 Township: 08.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013316110000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/25/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: 5 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 7/16/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 07/25/2012 the casing was pressured up to 1165 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tubing pressure was 1853 psig during the test. There was a State representative available to witness the test - Chris Jensen.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> July 31, 2012		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/31/2012	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721Witness: Chris Jensen Date 7/25/12 Time 10:30 am pmTest Conducted by: Troy Lazenby

Others Present: \_\_\_\_\_

Well: Monument Butte FederalField: Monument ButteWell Location: 13-27-8-16API No: 43-013-31611SW/5W Sec 27, T8S, R16E Duchesne County UT.

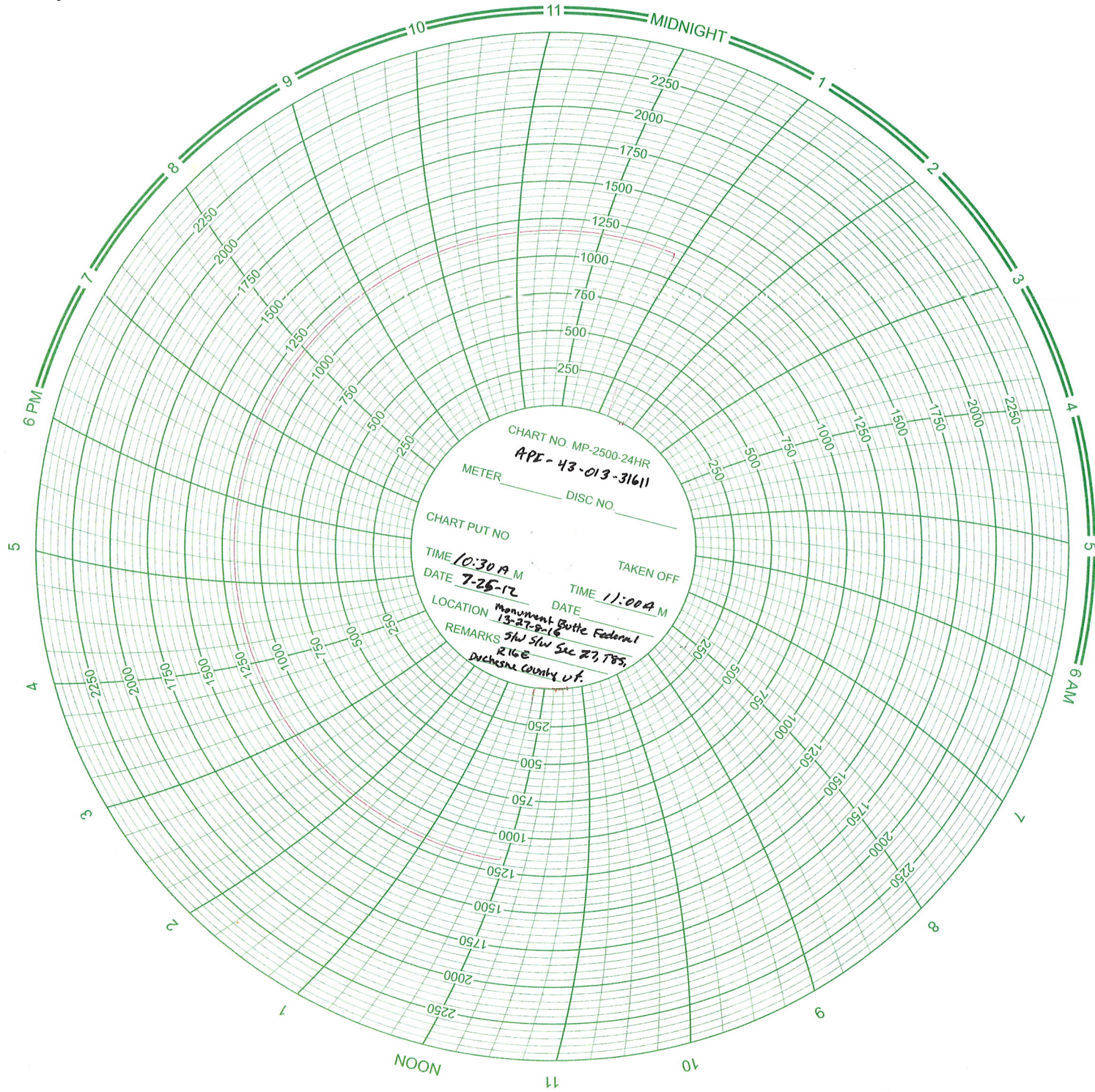
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1165</u>	psig
5	<u>1165</u>	psig
10	<u>1165</u>	psig
15	<u>1165</u>	psig
20	<u>1165</u>	psig
25	<u>1165</u>	psig
30 min	<u>1165</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1853 psigResult: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: \_\_\_\_\_





# Monument Butte Federal 13-27-8-16

Spud Date: 10/29/96  
Put on Injection: 10/13/97  
GL: 5617' KB: 5630'

Initial Production: 106 BOPD.  
132 MCFPD, 6 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 289.49' (7 jts.)  
DEPTH LANDED: 288.49' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

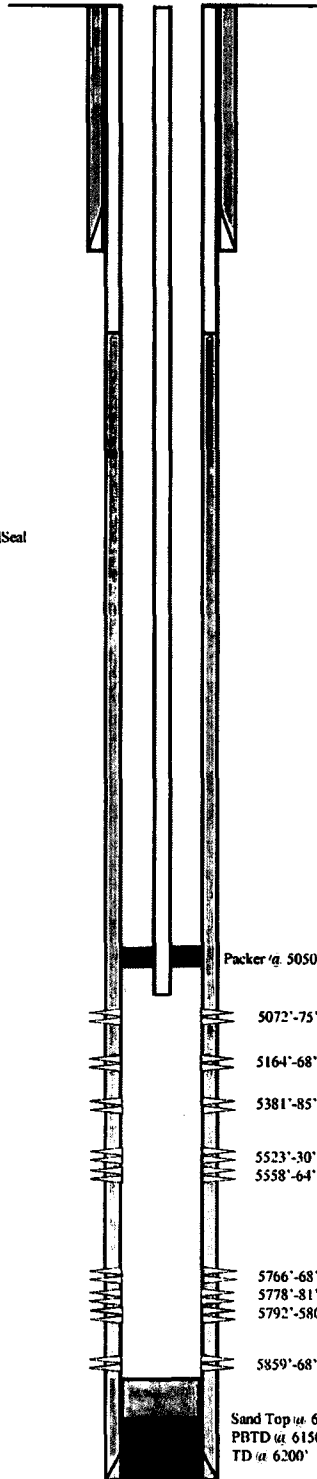
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 147 jts. (6225.45')  
DEPTH LANDED: 6197.45'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 425 sk Hibond mixed & 425 sxs Thixo w 10% CalSeal  
CEMENT TOP AT: 449' per CBL

## TUBING

SIZE-GRADE-WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 199 jts  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5861'  
CE @ 5050'  
TOTAL STRING LENGTH: EOT @ 5050'

Injection Well  
Wellbore Diagram (MEM 7 6-99)



## FRAC JOB

11/20/96 5766'-5868' Frac I ODC sand as follows:  
107,800# of 20/40 sand in 600 bbls of Boragel. Breakdown @ 3180 psi. Treated @ avg rate of 32.2 bpm w avg press of 2700 psi. ISIP-3137 psi, 5-min 3039 psi. Flowback on 12/64" ck for 5 hours and died.

11/22/96 5523'-5564' Frac A-2 sand as follows:  
81,900# of 20/40 sand in 483 bbls of Boragel. Breakdown @ 2560 psi. Treated @ avg rate of 23 bpm w avg press of 2400 psi. ISIP-3917 psi, 5-min 3442 psi. Flowback on 12/64" ck for 3 hrs and died.

11/25/96 53381'-5385' Frac B-2 sand as follows:  
74,400# of 20/40 sand in 454 bbls of Boragel. Breakdown @ 3214 psi. Treated @ avg rate of 20.5 bpm w avg press of 2450 psi. ISIP-2817 psi, 5-min 2650 psi. Flowback on 12/64" ck for 3 hours and died.

11/27/96 5072'-5168' Frac D-1 and D-3 sand as follows:  
96,200# of 20/40 sand in 532 bbls of Boragel. Breakdown @ 2380 psi. Treated @ avg rate of 22 bpm w avg press of 1950 psi. ISIP-2402 psi, 5-min 2343 psi. Flowback on 12/64" ck for 5 hours and died.

10-07-97 Convert to injection well  
10-13-97 Put on Injection  
9-24-02 5 yr MIT  
08/23/07 5 year MIT

## PERFORATION RECORD

Date	Depth	Tool	Holes
11/19/96	5766'-5768'	4 JSPF	8 holes
11/19/96	5778'-5781'	4 JSPF	12 holes
11/19/96	5792'-5802'	4 JSPF	40 holes
11/19/96	5859'-5868'	4 JSPF	36 holes
11/21/96	5523'-5530'	4 JSPF	28 holes
11/21/96	5558'-5564'	4 JSPF	24 holes
11/23/96	5381'-5385'	4 JSPF	16 holes
11/27/96	5072'-5075'	4 JSPF	12 holes
11/27/96	5164'-5168'	4 JSPF	16 holes

**NEWFIELD**

Monument Butte Federal 13-27-8-16  
619 FSL 685 FWL  
SWSW Section 27-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31611; Lease #U-62848